

11121 C

April 19, 2002

U.S. Environmental Protection Agency Carol Ropski Emergency Enforcement & Support Section, SE-5J 77 West Jackson Boulevard Chicago, Illinois 60604-3590

Re: Downers Grove Groundwater Investigation Site

#### Response to Attachment B Information Requests

1. The following individuals were consulted in the preparation of this document.

Ralph Grandle
President
Tricon Industries
Home address:
8415 Charles Ct.
Downers Grove, IL 60516-4911

John (Jay) Winkler
Vice President
Tricon Industries
Home address:
124 Stableford Dr.
Glen Ellyn, IL 60137

Larry McDaniel
Plant Manger
Tricon Industries
Home address:
1912 Seton Hall Dr.
Naperville, Ill. 60565

Rich Schmitt
Maintenance Supervisor
Tricon Industries
Home address:
12058 Arlene Dr.
Homer Glen, IL. 60441

Len Lucchesi Materials Manager Tricon Industries

> Home address: 1324 Peshtigo Naperville, IL 60564

John Cieplak
Director of Manufacturing
Tricon Industries

Home address: 5220 Cypress Ct. Lisle, IL 60532

Frank Mroczka
Plating/Finishing Supervisor
Tricon Industries
Home Address:
1468 Whitespire Ct.
Naperville, IL 60565

- 2. The following documents were consulted and are enclosed as part of this resp. ase.
  - A. Phase I & II Environmental assessment
  - B. Downers Grove Sanitary District Quarterly Reports
  - C. Downers Grove Sanitary District correspondence
  - D. Downers Grove Sanitary District Wastewater permits.
  - E. Solvent manifests 1983 to present
  - F. Form "R" and correspondence for reporting years
  - G. Drawings
    - 1. Finishing department layout and floor drain plan
    - 2. Piping floor plan, new addition
    - 3. Plumbing plan for original structure (sheets 28 & 29)
  - H. Environmental work instructions
    - 1. Spill Contingency Work Instruction
    - 2. Waste Management Work Instruction
    - 3. Wastewater Work Instruction
    - 4. Vapor Degreaser Work Instruction
    - 5. **NESHAP Work Instuction**
- 3. N/A
- 4. Yes, Phase I & II Environmental assessments. (See item #2)
- 5. There are no monitoring wells on this property.
- 6. Yes (See items #4 & #2 Phase I & II Environmental assessment)

- 7. No storage tanks in any form have ever existed on this property.
- 8. Prior to 1980 the solvent management plan consisted of one (1) Phillips Vapor Degreaser which used Perchloroethylene.

Perchloroethylene has always been purchased in 55 gallon drum quantities. Storage capacity has been limited to two (2) drums new solvent and two (2) or three (3) drums used solvent.

Disposal of used solvent consisted of recycling or fuel blending, off site by supplier or waste disposal company.

All solvent was maintained indoors in an area absent of floor drains.

1,1,1 Trichloroethane was used as a cold batch degreaser in small quantities. Two (2) to three (3) drums of new and used were maximum quantities on hand.

The use of 1,1,1 was discontinued in 1988.

- 9. See item #8
- 10. 1963 1993

Parco Products (no records are available as to quantities purchased)

3240 S. Kolin Ave. Chicago, IL. 60623

1994 - present

Finishing Equipment Inc.

1120-E Republic Dr.

Addison, IL. 60101

86 drums - 4,730 gallons purchased

11. Waste solvent handlers:

1963 to 1983

American Chemical Service

Griffith, IND. 46319

US EPA # IND016360265

No records are available as to quantities shipped prior to 1983.

1983 to 1990

American Chemical Service

64 drums, 3,520 gallons

Griffith, IND. 46319

US EPA # IND016360265

1990 to 1992

Avganic Ind.

15 drums, 825 gallons

114 N. Main

Cottage Grove WI 53527 US EPA # WIJ000808824

1993 to 1999

Hydrite Chemical Co.

42 drums, 2,310 gallons

114 North Main St.

Cottage Grove, WI. 53527

US EPA #WID000808824

2000

Detrix Corp.

4 drums, 220 gallons

2537 Lemoyne Ave. Melrose Park, IL. 60160 US EPA #ILD074424938

2000 to present 7 drums, 385 gallons Heritage - Crystal Clean LLC

15330 Canal Bank Road

Lemont, IL. 60439

**US EPA # INR**000006536

- 12. Drawings enclosed.(see item #2)
- 13. All available correspondence between Downers Grove Sanitary District and Tricon Industries are enclosed. (see item #2)
- 14. All floor drains in the cleaning department empty into the wastewater treatment pit. (See department layout drawing). Floor drains in the area of the vapor degreaser are plugged to contain a spill of solvent should one occur. Floor drains throughout the rest of the building are located in washrooms or janitors closets. (see enclosed piping plans.)
- 15. Plating / Finishing supervisors:

1963 – 1970 Helmar Berg (Deceased) Chicago, IL.

1970 – 2002 Frank Mroczka 1468 Whitespire Ct. Naperville, IL. 60565

16. Reports for required reporting years are enclosed. (see item #2)

#### Conclusion:

All solvents from inception to present have always been handled conscientiously not only from an environmental perspective but also as an economical standard. There has been little to no turnover (39 years) in the direct supervision of the Cleaning department, which controls all solvent usage. Employees of the Cleaning department are certified class "K" wastewater treatment works operators as is the Plant Manager and are fully versed in handling, storage and use of solvents.

Submitted by:

Larry McDaniel

Plant Manager



#### PHASE I ENVIRONMENTAL PROPERTY ASSESSMENT

2325 Wisconsin Street Downers Grove, Illinois

### Prepared For:

American National Bank & Trust Company of Chicago 120 South LaSalle Street, Mail Code IL 1-1201 Chicago, Illinois 60603

Prepared By:

EPS Environmental Services, Inc. 7237 West Devon Avenue Chicago, Illinois 60631

> Brian J. Thomas Project Manager

Reviewed By:

Peter N. Partipilo, C. M.M.M. Senior Environmental Specialist

Project Number:

3899-1001

November 1, 2001



### TABLE OF CONTENTS

1.0	Summary		1
2.0	<ul><li>2.1 Purpose</li><li>2.2 Scope of Services</li></ul>		2 2
3.0	<ul> <li>3.1 Location and Legal De</li> <li>3.2 Description of Improve</li> <li>3.3 Current and Past Uses</li> </ul>	escription	3 3 4
4.0	<ul><li>4.1 Physical Setting Source</li><li>4.2 Federal and State Envi</li></ul>	rironmental Record Sources	5 6
5.0	Interviews		10
7.0	6.1 Underground Storage 7 6.2 Aboveground Storage 7 6.3 Stained Surfaces/Stress 6.4 Stormwater Run-off/St 6.5 Waste Disposal Practic 6.6 Polychlorinated Bipher 6.7 Air Quality/Emissions 6.8 Readily Visible Suspec 6.9 Potential Lead-based P 6.10 Miscellaneous Equipm 6.11 Observations of Surrou	Tanks (USTs) Tanks (ASTs)/Storage Drums/Containers ssed Vegetation standing Water sees enyls (PCBs) sect Asbestos-Containing Material (ACM) Paint nent sunding Sites	
		FIGURES	
Figure 2	1 - Property Location Map 2 - Property Sketch 3 - Building Sketch	APPENDICES	
Append Append Append Append	lix A - Photographic Documenta lix B - Environmental Database lix C - Historical Information lix D - Environmental Questiona lix E - EPS Environmental Qual lix F - Proposal between Client	Information  naire  clifications	



#### 2.0 INTRODUCTION

EPS Environmental was retained to conduct the Phase I Assessment of the Property by American National Bank & Trust Company of Chicago (Client).

#### 2.1 Purpose

The purpose of the Phase I Assessment was to identify readily apparent, potential sources of environmental liabilities associated with the Property.

#### 2.2 Scope of Services

The scope of services performed by EPS Environmental was set forth in the Proposal between the Client and EPS Environmental, dated October 18, 2001, a copy of which is attached hereto and made a part hereof, as Appendix E.

#### 2.3 Limiting Conditions

The presence of stockpiled materials, various floor coverings and heavy machinery limited observations of underlying interior surfaces in several isolated areas. The presence of parked automobiles and landscaping limited observations of exterior surfaces. Therefore, EPS Environmental makes no guarantees as to the condition of the underlying surfaces or areas not observed.

Sampling and an all-inclusive survey for the presence of suspect asbestos containing material (ACM) were beyond the scope of services for this Phase I Assessment. A visual inspection for readily observable suspect ACM was conducted; moreover, the removal of physical or visual barriers or inaccessible areas such as pipe chases, interiors of machinery/equipment and "dead spaces," such as fully enclosed masonry vaults, was not conducted as part of this Phase I Assessment.

Access to the rooftop of the structure was not provided. Therefore, EPS Environmental makes no guarantees as to equipment which may be present on the roof. However, EPS Environmental did not observe rooftop equipment of environmental significance as viewed from the ground.

As a Plat of Survey was not provided for the Property, exact Property boundaries could not be determined and the size of the Property and structure has been estimated.

Any other limiting conditions pertaining to this Phase I Assessment are described in associated Sections of this Report.



#### 3.0 PROPERTY DESCRIPTION

#### 3.1 Location and Legal Description

The Property is located on the south side of Wisconsin Street, approximately 1¼ mile east of the East Branch of the DuPage River in the Village of Downers Grove, DuPage County, Illinois. The Property is situated in a mixed industrial and residential setting. (See Figure 1 - Property Location Map, following the text of this Report). The legal description for the Property was not provided.

#### 3.2 Description of Improvements On-Site

#### 3.2.1 Property Size

The Property consists of a rectangular shaped parcel of land encompassing approximately 130,000 square feet.

#### 3.2.2 Structure

The Property is developed with a one-story tall, 43,000 square foot structure. The structure consists of an approximate 17,000 square foot original building and an approximate 26,000 square foot addition.

#### 3.2.2.1 General Construction

The 39-year-old original building and 18-year old addition are similarly constructed of masonry, concrete and steel on slab foundation.

#### 3.2.2.2 Interior Finishes

Typically, the interior of office and common areas of the structure consists of carpeted and/or vinyl tiled floors, gypsum board and/or wood paneled walls and drop paneled and/or plaster ceilings.

The warehouse/production areas consist of concrete floors, masonry walls, and a steel truss ceiling.

#### 3.2.2.3 Heating and Cooling Sources

The original building is heated and cooled by a natural gas-fired, heating, ventilation and air-conditioning (HVAC) unit and a natural gas-fired boiler with associated hot water/steam radiant lines, which is located in the original building.



#### 1.0 SUMMARY

EPS Environmental Services, Inc. (EPS Environmental) has performed a Phase I Environmental Property Assessment (Phase I Assessment) in conformance with the scope and limitations of ASTM Practice E 1527-00 of 2325 Wisconsin Street, Downers Grove, Illinois (Property). Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report (Report). This Phase I Assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- The Property may have been negatively impacted by current and/or historical metal plating operations on the Property.
- There is a potential for contaminants to have migrated onto the Property from Underground Storage Tanks (USTs) located on the west adjacent site. The west adjacent site is listed on the United States Environmental Protection Agency (USEPA) Handlers with Corrective Action Activity (CORRACTS), USEPA No Further Remedial Action Planned (NFRAP), RCRIS generator databases and the Office of the State Fire Marshall's (OSFM) registered USTs.
- Readily visible suspect friable and non-friable asbestos-containing material (ACM) was noted in and on the structure.
- The painted surfaces of the structure may contain lead above regulatory limits.
- It is possible the ballasts within the fluorescent light fixtures and fluids within air compressors in the structure contain polychlorinated biphenyls (PCBs).
- It is possible the fluorescent bulbs and thermostats located in the structure contain mercury.
- Air conditioning units, which contain chlorofluorocarbon (CFC) refrigerant, are located on the Property.



The addition is heated and cooled by a natural gas-fired, heating, ventilation and air-conditioning (HVAC) unit.

#### 3.2.3 Remaining Grounds

The remaining grounds consist of an asphalt parking area west and north of the structure and landscaping east and north of the structure.

Refer to Figure 2 - Property Sketch, and Appendix A - Photographic Documentation, following the text of this Report.

#### 3.2.4 Potable Water Source

The DuPage Water Commission supplies drinking water from Lake Michigan to the Property. The water is collected and treated by the Downers Grove Sanitary District, located at 2710 Curtis Street in Downers Grove, Illinois. According to the Water Department, the water is tested periodically for contaminants and is in compliance with all EPA drinking water regulations, unless a local drinking water advisory has been issued.

#### 3.2.5 Wastewater/Stormwater Discharge

Wastewater and stormwater run-off within the Village of Downers Grove are discharged into separate sewer systems. The sanitary effluent is collected and treated by the Downers Grove Sanitary District. The stormwater run-off is collected by on-site sewers and discharged into local waterways. The wastewater from the dip tanks in the hazardous materials room is discharged into a concrete pit lined with fiberglass which is neutralized and discharged into the sewer system.

#### 3.3 Current and Past Uses of the Property

#### 3.3.1 Current Uses

The Property is currently occupied by Tricon Industries. Inc. (Tricon) and used for office and light industrial purposes. Tricon is an insert molder and specialized component manufacturer for worldwide automotive, mobile communications and appliance markets. Tricon's operations utilize, store, and/or handle hazardous substances that include cyanide, acids, caustics, metals and/chlorinated solvents. Operations include stamping, cutting, milling, machining of metal parts, and metal plating as well as plastic injection molding.



#### 3.3.2 Past Uses

1

The Property has been occupied by Tricon since original construction circa 1960. Prior to Tricon, the Property consisted of vacant land.

See Section 4.3 - for information on the historical use review regarding the Property.

#### 3.4 Current and Past Uses of Adjoining Sites

#### 3.4.1 Current Uses

The Property is surrounded as follows:

North Wisconsin Street

MXL (manufacturer of plastic injection moldings) – 2300 Wisconsin Street

East

Magnetrol (manufacturer Chelectronic components) - 5300 Belmont Road

Belmont Road

South

Single-family dwellings

West

Suburban Self-Storage (storage facility) - 2333 Wisconsin Street

Janes Avenue

#### 3.4.2 Past Uses

The surrounding sites have historically been utilized for industrial and residential purposes since development.

#### 4.0 RECORDS REVIEW

#### 4.1 Physical Setting Sources

The following sources were reviewed to provide information on the topographic and geologic characteristics of the Property and surrounding area. Additionally, a county radon study was reviewed to provide statistics on the Property's potential radon risk.



#### 4.1.1 U.S. Geological Survey 7.5 Minute Series Topographic Map

According to the Wheaton Quadrangle map, the general topography of the area displays an approximate five-foot decrease in elevation within ¼ mile northwest of the Property.

#### 4.1.2 Illinois State Geological Survey Circular #460, "Surficial Geology of the Chicago Region"

The Property is located on the Mackinaw Member of Henry Formation. This Pleistocene Age system consists of sand and gravel, generally well-sorted and evenly bedded; deposits in valleys; mostly glacial outwash in terraces, which are remnants of valley trains, and includes similar deposits in glacial sluiceways.

# 4.1.3 Illinois State Geological Survey Circular #532, "Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Waste"

The Property is located in an area rated as C1. The rating denotes the capacities of earth material to accept, transmit, restrict or remove contaminants from waste effluent. In general, a C1 rating area contains permeable bedrock within 20 to 50 feet of the surface, overlain by till or other fine-grained material.

# 4.1.4 Illinois Department of Nuclear Safety, "Radon In Illinois: A Status Report" Update December 1990

The Property is located in DuPage County in which 17% of homes tested had radon levels greater than 4.0 picocuries per liter (pCi/L). The level of 4.0 pCi/L is the standard set by the EPA. An average level of 4.4 pCi/L was detected among the 166 homes screened. This screening data is included as a guide to background conditions and should not be construed as site-specific data. Radon is of lesser concern for buildings constructed on concrete slab foundations, as is the case of the Property.

#### 4.2 Federal and State Environmental Record Sources

The following federal and state databases were reviewed for recorded environmental concerns on the Property and known sites within the Approximate Minimum Search Distance, as designated in ASTM Standard E 1527-00. Refer to Appendix B - Environmental Database Information, for the listings of sites identified within the study area.

• United States Environmental Protection Agency (USEPA) National Priority List (NPL), January 2001 - 1 mile search distance



- USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), May 2001 ½ mile search distance
- USEPA CERCLIS No Further Remedial Action Planned (NFRAP), May 2001 Property and adjacent sites
- USEPA Resource Conservation and Recovery Act Information System (RCRIS) Treatment, Storage and Disposal (TSD) facilities, August 2001 ½ mile search distance
- USEPA RCRIS Generator and Transporter facilities, August 2001- Property and adjacent sites
- USEPA Handlers with Corrective Action Activity (CORRACTS), April 2000 1 mile search
- USEPA Emergency Response Notification System (ERNS), January 2000- Property only
- IEPA Site Remediation Program (SRP), October 2001 1 mile seach distance
- Northeastern Illinois Planning Commission (NIPC) Database, December 1987 ½ mile search distance
- Illinois Environmental Protection Agency's (IEPA) List of Land-Based Disposal Sites (LBDS) solid waste, various dates ½ mile search distance
- IEPA Leaking Underground Storage Tank (LUST) Incident Report, October 2001 ½ mile search distance
- Office of the State Fire Marshal (OSFM) Registered Underground Storage Tanks (USTs), June 2001 - Property and adjacent sites

The Property was identified on the USEPA RCRIS generator database. Additionally, one (1) adjacent registered UST/CORRACTS/NFRAP/RCRIS generator site, two (2) adjacent RCRIS generator sites, three (3) LUST sites and one (1) SRP site were identified within the search distances.

The Property was identified on the RCRA database as a small quantity generator of hazardous waste. Tricon generates hazardous waste in the form of acid liquid, alkaline liquid, chlorinated solvents, copper, nickel, zinc, and cyanide. The hazardous waste is collected in 55-gallon storage drums and transported off-site by Heritage Environmental for final disposal/recycling. Provided the



hazardous waste is and was properly handled, stored, and disposed, the RCRIS database listing as a small quantity generator of hazardous waste should not present a readily apparent environmental concern to the Property.

The west adjacent site, 2333 Wisconsin Street, Suburban Self Storage, appeared on the OSFM database of registered USTs under the facility name Liberty Copper & Wire Co. with one, "exempt from registration" UST and four, "removed" USTs. The "exempt from registration" UST was identified as a 4,000-gallon tank and the "removed" USTs were identified as three 4,000-gallon "hazardous" USTs and one, 5,000-gallon "hazardous" UST. No evidence of equipment likely associated with these USTs were observed on this adjacent site from Property borders and public thoroughfares during EPS Environmental's on-site inspection. This site was also identified on the CORRACTS database. A Freedom of Information Act (FOIA) request has been submitted to the United States Environmental Protection Agency (USEPA) for additional information regarding this listing. However, a response had not been received at the time of this writing. In the event environmentally significant information is received, that would alter the Findings and Conclusions of this Report, it will be promptly forwarded to the Client. The NFRAP designation indicates, to the best of the USEPA's knowledge, assessment at the site has been completed and that the USEPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean there is no hazard associated with a given site; it only means that, based upon available information, the site is not judged to be a potential NPL site. This site was also identified on the RCRA generator database as a generator of hazardous waste. No outside hazardous waste storage areas or signs of deliberate dumping of waste were observed at this site during the EPS Environmental site reconnaissance. Provided the hazardous waste on the adjacent site is properly handled, stored, and disposed, this site's RCRIS database listing as a large quantity generator of hazardous waste should not present a readily apparent environmental concern to the Property.

The east and south adjacent sites were identified on the RCRA generator database as generators of hazardous waste. No outside hazardous waste storage areas or signs of deliberate dumping of waste were observed at the sites during the EPS Environmental site reconnaissance. Provided the hazardous waste on the adjacent sites are properly handled, stored, and disposed, the sites' RCRIS database listings as generators of hazardous waste should not present a readily apparent environmental concern to the Property.

The three (3) recorded LUST sites identified are located over 1/8-mile from the Property. Based on the physical distances from the Property none of the LUST sites identified within the 1/2-mile study radius are expected to present an environmental concern to the Property.



The recorded SRP site identified is located over ¼ mile from the Property. The SRP site was granted a "No Further Remediation" (NFR) status (closed status) by the IEPA. Based on the physical distance from the Property and the closed status, the recorded SRP site identified within the one-mile study radius is not expected to present an environmental concern to the Property.

#### 4.3 Historical Use Information

The following reasonably obtainable sources of information were reviewed or contacted to determine the historical uses of the Property. When feasible, information pertaining to the adjacent sites was reviewed.

4.3.1 1951, 1970, 1980 and 1990 Aerial Photographs (Aerials) - provided by Chicago Aerial Photo Services, Inc., Northern Illinois Planning Commission (NIPC) and reviewed at the University of Illinois at Chicago Library

The 1951 Aerial depicted the Property and adjacent sites as undeveloped land. The 1970 and 1980 Aerials depicted the Property with the original building. The 1990 Aerial depicted the Property and surrounding sites as currently identified. There was no significant disturbance to upper soil layers or evidence of open dumping on the Property or surrounding sites on any Aerials reviewed. See Appendix C - Historical Information for a copy of the Aerials reviewed.

4.3.2 <u>Historical Building Permits, via Freedom of Information Act (FOIA) request and file review at the Village of Downers Grove Community Development Department</u>

A response from the Village of Downers Grove revealed no permits of environmental significance for the Property.

4.3.3 Fire Department Records, via FOIA request to the Village of Downers Grove Fire Department

A FOIA request was submitted to the Village of Downers Grove Fire Department regarding the Property and adjacent sites; however, at the time of this writing a response had not been received. In the event information is received that aiters the Findings and Conclusions of this Report, it will be forwarded promptly to the Client.

4.3.4 Zoning, via FOIA request at the Village of Downers Grove Community Development Department

According to a response from the Zoning Department, the Property is zoned M-2, light manufacturing district.



#### 5.0 INTERVIEWS

The following individuals were interviewed for specialized knowledge concerning the Property. The relevant information provided by these individuals has been incorporated in the appropriate Sections of this Report.

Mr. Larry McDaniel -

Tricon Industries, Inc. - Plant Manager — Accompanied, and interviewed by, EPS Environmental personnel during site reconnaissance (630-964-2330). Completed Environmental Questionnaire which is included as Appendix D.

Local Officials

#### 6.0 SITE RECONNAISSANCE

The site reconnaissance was conducted on October 29, 2001 at approximately 10:00 a.m. Mr. Samuel T. Bodine, Senior Project Manager, and Mr. Brian J. Thomas, Project Manager for EPS Environmental (Appendix E). The site reconnaissance was initiated by observing the Property and adjacent sites from public thoroughfares, continued by inspecting the interior of the structure and concluded by walking the Property boundaries. Photographic documentation of significant environmental features has been included as Appendix A.

The weather conditions were sunny, with temperatures in the 50s and winds of approximately five miles per hour from the south. Surface conditions were relatively dry.

#### 6.1 Underground Storage Tanks (USTs)

No equipment typically associated with USTs was observed on the Property during the on-site inspection.

#### 6.2 Aboveground Storage Tanks (ASTs)/Storage Drums/Containers

A designated hazardous material storage area is located in the addition portion of the structure. The room contains 55-gallon storage drums of alkaline solvents and 100-gallon containers of various plating solutions and rinse tanks. The dip tanks contain alkaline solutions, water rinses, PCE, and cyanide solutions for zinc, gold, silver and copper plating baths. No leaks were observed and no significant cracks in the concrete surface below the storage drums, containers or tanks were noted.



Numerous 55-gallon drums containing process chemicals and petroleum products are located throughout the production area of the structure. These drums should be placed on secondary containment equipment to prevent potential releases to the environment.

#### 6.3 Stained Surfaces/Stressed Vegetation

Minor amounts of petroleum staining were observed throughout the interior of the structure. There was a small amount of staining surrounding the degreaser in the hazardous materials room. No discolored soils or stressed vegetation were observed.

#### 6.4 Stormwater Run-off/Standing Water

Stormwater run-off from the Property appeared to flow into storm sewer catch basins located in the parking lot and adjacent streets. No sheens were noted in the sewers. No unusual odors were emanating from the sewers

#### 6.5 We ste Disposal Practices

The solid waste generated is collected for off-site disposal by Waste Management. According to Mr. McDaniel, the chemical wastes are collected and disposed of by Heritage Environmental on an "as needed basis" and the scrap metal is recycled by Dublin Metals. No additional waste streams were reported or identified being generated from the Property.

#### 6.6 Polychlorinated Biphenyls (PCBs)

Fluorescent light fixtures were observed in the structure. No signs of leakage were observed on the light fixtures. Based on the construction date of the structure, it is possible the ballasts within the fluorescent light fixtures contain PCBs.

According to Mr. McDaniel, air compressors are located above the production area of the structure. Based on the estimated age of the compressors, the fluids contained within the compressors may contain PCBs.

Nine (9) pole-mounted transformers were located near the east Property boundary. The equipment was not observed to be leaking or to be labeled with a black and yellow PCBs warning sticker. A warning sticker is required by federal regulations for equipment containing between 50 and 500 ppm PCBs or greater. ComEd, as the owner of the transformers, is responsible for keeping the equipment in compliance with federal, state and local regulations, and the cleanup of contamination resulting from leaking equipment, as necessary.



No additional equipment that may contain PCBs was identified on the Property.

#### 6.7 Air Quality/Emissions

A solvent odor was noted in the hazardous materials room, emanating from the vapor-degreasing machine.

In addition to the structure's heating sources, Tricon has discharges from plating, vapor degreasing and molding operations. According to Mr. McDaniel, Tricon has air permits (ID#043030ADR) for the previously mentioned operations.

#### 6.8 Readily Visible Suspect Asbestos-Containing Material (ACM)

ACM has been used extensively in the construction of buildings. According to the USEPA, ACM is commonly found in three forms: (1) sprayed or troweled-on ceilings and walls (surfacing materials), including structural fireproofing; (2) in insulation on pipes, ducts, boilers, tanks or mechanical equipment [thermal system insulation (TSI)]; and (3) in "miscell-neous materials," such as, floor tiles, roofing felts and shingles, or wall boards. ACM is of greates; potential concern when it is friable, particularly if it is damaged or deteriorated. Friable, by definition, refers to a material that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. Friable ACM is more likely than non-friable ACM to release fibers when disturbed or damaged. Airborne asbestos fibers can pose a potential respiratory health risk to building occupants who are exposed.

An all-inclusive survey for the presence of suspect ACM were beyond the scope of services for this Phase I Assessment. As the addition is under construction, the building materials are not suspect of containing asbestos. The following chart summarizes readily visible ACM identified in/on the original buildings of the structure to include, but is not limited to:



HOMOGENEOUS MATERIAL	LOCATION	CONDITION	FRIABLE	NON-FRIABLE
12"x12" floor tile and associated mastic	Various areas throughout the building	Good		Х
Plaster	Walls and ceilings of office areas	Good		X
2'x4' drop ceiling panels	Lunchroom	Good	Х	
2'x2' glued-on ceiling tile	Various areas throughout the building	Good	Х	
Thermal system Insulation (TSI)	Ducts in original building	Good	Х	
Elbow, valve and tee joint - TSI	Water/steam piping in several areas of structure	Poor	Х	
Roofing materials	Roof	Not observed		Х

#### 6.9 Potential Lead-based Paint

Painted surfaces were observed on the structure and appeared to be in overall good condition. Based on the construction date of the original building, the paint may contain lead above regulatory limits.

#### 6.10 Miscellaneous Equipment

Fluorescent light fixtures and thermostats were observed throughout the building. The fluorescent light bulbs and thermostats may contain mercury.

Air conditioning units are located on the rooftop of the Property structure. The air-conditioning units contain chlorofluorocarbon (CFC) refrigerant. CFC refrigerant is a federally regulated substance that is known to contribute to ozone depletion within the atmosphere.

A vapor degreaser is located in the hazardous materials room. This equipment utilizes PCE as a solvent.

#### 6.11 Observations of Surrounding Sites

Visually recognizable environmental concerns were not identified on the adjacent sites, as observed from the Property and public right-of-ways.



#### 7.0 WARRANTY AND LIMITATIONS OF LIABILITY

The Phase I Assessment and this Report are of limited scope, and do not provide sufficient information to eliminate the total risk of the presence of contamination or other liabilities. Significantly higher levels of exploratory efforts than those performed in this Phase I Assessment are required to accumulate sufficient information to determine all environmental liabilities associated with the Property. Subsurface investigations and testing were beyond the scope of this Phase I Assessment.

EPS Environmental warrants that the Phase I Assessment has been conducted in accordance with generally accepted investigatory methods utilized by professional environmental consultants and includes the recommended practices for the "Phase I Environmental Site Assessment Process" contained in the ASTM Standard E 1527-00. EPS Environmental further warrants that the findings and conclusions in this Report are based exclusively on the Phase I Assessment. The investigatory methods that EPS Environmental utilized in the Phase I Assessment have been developed to provide the Client with information regarding apparent indications of existing or potential environmental conditions relating to the Property and are limited to the conditions that were observed at the time of the investigation of the Property. The findings and conclusions contained in this Report are also limited to the information available on the Property at the time that the Phase I Assessment was conducted. There is a distinct possibility that conditions may exist at the Property, which were not apparent during the preparation of the Phase I Assessment. In conducting the Phase I Assessment and preparing the Report, EPS Environmental relied on the information obtained from Property owner/operators or other persons, and government agencies having knowledge of operations and practices of the Property. EPS Environmental has assumed that this information is accurate and complete, except when independent investigation has indicated otherwise.

The Phase I Assessment did not attempt to determine whether the facilities operating on the Property are in compliance with existing environmental regulations. This Report discusses and summarizes areas of potential environmental concern for the Property itself. This Report provides no other warranties, expressed or implied.

#### 7.1 Confidentiality

EPS Environmental will hold the Report and all field observations and related documents in strict confidence and will not disclose these items except to the Client or except as ordered by any state or federal agency or court of law. In the event that EPS Environmental is ordered by a state or federal agency or court of law to disclose the contents of the Report or field observations, the Client shall hold EPS Environmental harmless from liability for any damages that the Client may suffer due to EPS Environmental's disclosure. In addition, the Client shall indemnify EPS Environmental from



any and all damages EPS Environmental may suffer due to any action, which results in an order that EPS Environmental make a disclosure.

#### 7.2 Reliance On Phase I Assessment And Report

The Phase I Assessment has been conducted and this Report has been prepared, exclusively for the Client and it is intended that only the Client will rely on the Phase I Assessment and Report. The Phase I Assessment and Report will be solely for the benefit of the Client and may not be relied upon by other parties.

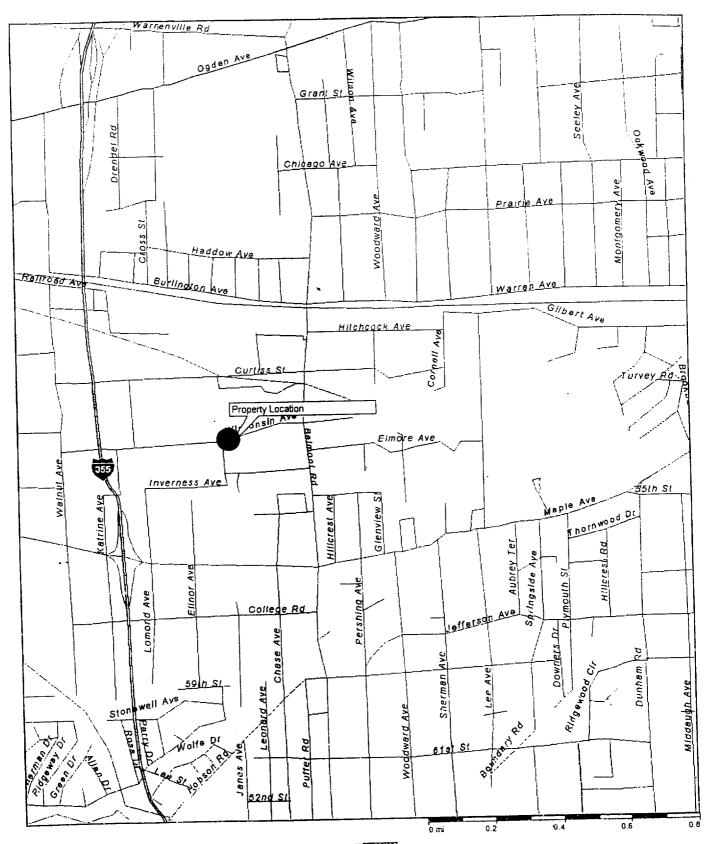
#### 7.3 Sources of Information Relied Upon For Phase I Assessment and Report

All information that EPS Environmental has relied on in conducting the Phase I Assessment and preparing the Report, not specifically identified as generated by EPS Environmental or any federal, state or local agency, has been supplied by or derived from data provided by the Client and Property representative.



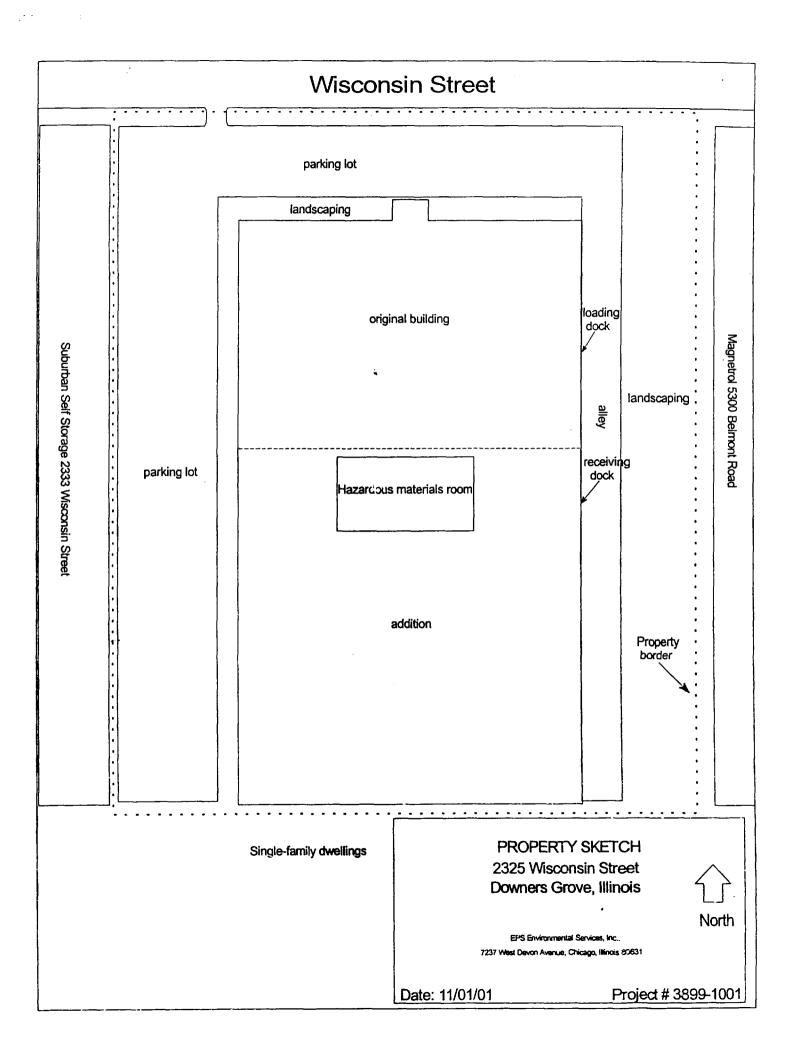
## **FIGURES**

# FIGURE 1 – PROPERTY LOCATION MAP $\stackrel{\mathcal{N}}{\Rightarrow}$



Streets Plus

2325 Wisconsin Street, Downers Grove, Illinois EPS Environmental Services, Inc., Project #: 3899-1001



TRICON INDUSTRIES, INC. 2325 WISCONSIN AVE. DOWNERS GROVE, IL 60515 LOT SIZE:

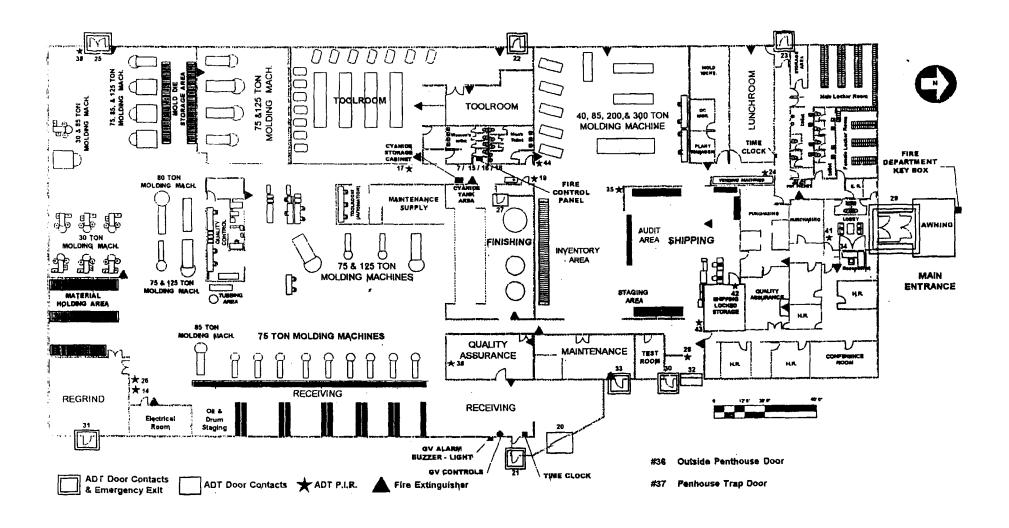
12966 m<sup>2</sup>

**BUILDING SIZE:** 

4209 m<sup>2</sup>

MANUFACTURING SIZE:

2095 m<sup>2</sup>



1

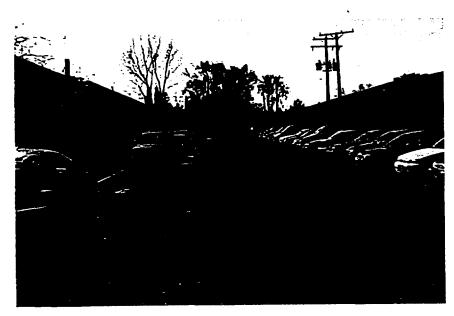


# APPENDIX A PHOTOGRAPHIC DOCUMENTATION

Right: North Property View

**Below: West Property View** 





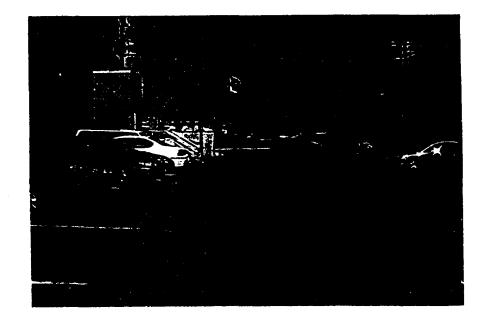
EPS Environmental Services, Inc.
Project #: 3899-1001

2325 Wisconsin Street

Downers Grove, Illinois

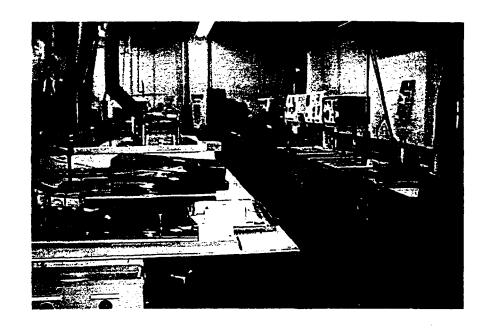
Page 1 of 3





Right: Hazardous Materials Room. 100-gallon dip tanks

Below: Vapor Degreaser (located in the Hazardous Materials Room). It should be noted that this equipment contains PCE.



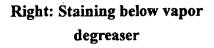


EPS Environmental Services, Inc.
Project #: 3899-1001

2325 Wisconsin Street

Downers Grove, Illinois

Page 2 of 3

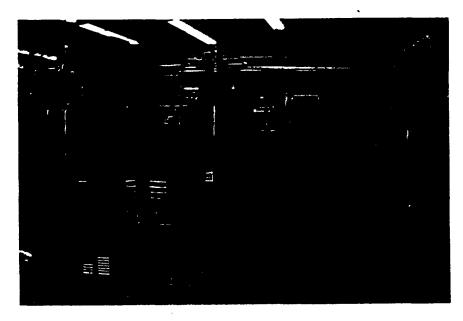




Right: 55 gallon drums stored in receiving area

Below: Interior View of Production Area





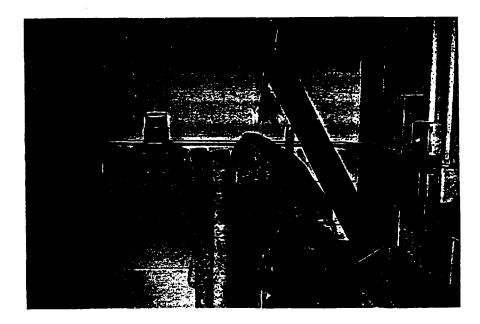
EPS Environmental Services, Inc.
Project #: 3899-1001

2325 Wisconsin Street

Downers Grove, Illinois

Page 3 of 3

Right: Thermal System Insulation (TSI). It should be noted that this is possible Asbestos Containing
Material (ACM)





# APPENDIX B ENVIRONMENTAL DATABASE INFORMATION



#### **ENVIRONMENTAL DATABASE DESCRIPTIONS**

NPL - National Priority List for sites targeted for long-term remediation

action under Superfund.

CERCLIS - Comprehensive Environmental Response, Compensation, and

Liability Information System for priority cleanup sites or those sites

under investigation for possible hazardous waste disposal.

RCRIS - Resource Conservation and Recovery Act Information System for

facilities that generate, store, transport, treat or disposal of hazardous

waste.

ERNS - Emergency Response Notification System List of reported hazardous

substance releases or spills in quantities greater than the reportable

quantity, as maintained at the National Response Center.

NIPC - Northeastern Illinois Planning Commission database for active and

inactive solid waste disposal sites.

LBDS - Land-Based Disposal Sites, a list of active solid waste disposal sites

in Illinois.

LUST - Leaking Underground Storage Tank Incident Report.

SRP - IEPA Site Remediation Program

USTs - List of Registered Underground Storage Tanks (USTs).

HANDLER NAME: TRICON INDUSTRIES INC HANDLER ID:

ILD005084124

STREET:

2325 WISCONSIN

EPA FACILITY ID: ILD005084124

CITY:

DOWNERS GROVE

CORPORATE LINK: No

STATE:

 ${
m I\!L}$ 

5

**COUNTY:** 

**DU PAGE** 

ZIP CODE:

60515

MAPPING INFO:

MAP

**EPA REGION:** 

#### **CONTACT INFORMATION**

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF INFORMATION
·	1	DOWNERS GROVE	IL	60515		Part A Permit
11	11	DOWNERS GROVE	п	60515	(312) 964- 2330	Notification

#### HANDLER / FACILITY CLASSIFICATION

HANDLER TYPE	LAND DISPOSAL	INCINERATOR	BOILER AND OR INDUSTRIAL FURNACE	TREATMENT
Small Generator				

Du Page	2003084 Closed	Liberty Copper & Wire Co Magnetek Inc	1	4000 Hazardous	24 Removed
Du Page	2003084	2333 Wisconsin Ave 427 E Stewart St	2	5000 Hazardous	24 Removed
Du Page	2003084	Downers Grove, IL 60515 Milwaukee, WI 5320	3	4000 Hazardous	24 Removed
Du Page	2003084		4	4000 Hazardous	24 Romovod
Du Page	2003084	Marron, Patrick E.	5	4000	35 Exempt from registration
Du Page	2003084	(312) 969-7660			
Du Page	2003084	` '			. •
Du Page	2003084				

s.

VERSION: 8.01

WASTELAN DATABASE DATE: 05/15/2001 WASTELAN DATABASE TIME: 15:48:36

\*\* PRUDUCTION VERSION U.S. EPA SUPERFUND PROGRAM

WASTELAN

Site/Response Action Listing (Transition)

RELEASE THROUGH FOIA

	•	SITE NAME STREET CITY			.IST-( egion	98 Transition) ; 05				
SITE ID	EPA ID NO.	COUNTY CODE AND NAME (ASSOCIATED SITE NAME) (ASSOCIATED EPA ID)	STATE	ZIP C		ACTION CODE, NAME	SEQ	ACTUAL START DATE	ACTUAL COMPLETE DATE	ACTION LEAD
State: 0500433	IL ILD068492206	SUBCON MFG CORP 210 DOWDLE ST ALGONQUIN 111 MCHENRY	Œ.	60102						
0506148	ILD068468438	SUBURBAN COMPUTER SERVICES, INC. 150 WEST WILSON PALATINE 031 COOK	L (	60067	00 00	DS DISCVRY PA PA	001 001		04/01/1981 06/28/1985	EPA Fund EPA Fund
0500335	ILD047033188	SUBURBAN SELF STORAGE FACILITY 2333 WISCONSIN AVENUE DOWNERS GROVE 043 DUPAGE	L	60515		DS DISCVRY PA PA	001 001		04/25/1989 05/09/1989	State (Fund) State (Fund)
0506163	ILD053191029	SUN CHEMICAL CORPORATION 6600 SOUTH MELVINA AVENUE			00 00	DS DISCVRY PA PA PA PA SI SI HR HAZRANK	001 001 002 001 001		08/01/1980 12/01/1983 03/02/1993 12/01/1984 09/29/1985	EPA Fund State (Fund) EPA Fund EPA Fund EPA Fund
•		CHICAGO 031 COOK	L	60638	00 00	DS DISCVRY PA PA	; 001 001		06/23/1989 03/16/1990	State (Fund) State (Fund)

THOMAL TIME SEBESBOBPOLE ME LΝ ILDOOSOBARBS INDUSTRIAL COATINGS GRO L O YEZ ME 23Y DAINIFER SLATEM GNAINI ELSEDBODIE ILDOOS213285 INTERNATIONAL HARVESTER HI ΥE ILDDD5236468 INTERNATIONAL PAPER ME ILDOOS211545 ITT CORP HARPER L0 ILDO97179204 IWI INDUSTRIES ME ILDO47032750 J AND M PLATING INC YEZ YES ME ILD990783995 J AND M PLATING INC YEZ ΗI **YES IN** ILDUOLESSAYT JENNISON-WRIGHT CORP TH YES YEZ HI YEAR NOZNHOL & NOZNHOL DZPEZPBJOLII L٥ YES LO ILDOO1799949 JOHNSON & JOHNSON PRODU YES ILD980502470 JOHNSON CONTROLS BATTER ME L0 ILDOLO224335 JOHNSON FIRE PROOF DOOR IN ILDOOO781591 JONES & LAUGHLIN STEEL YES YES HI ZEY ON ZETALOOZZA & ZUMJA ESPADOZODULI L0 ILDOB5352474 KEARNEY NATIONAL INC L0

REPORT ID: CAREGST

### U.S. ENVIRONMENTAL PROTECTION AGENCY RCRIS NATIONAL OVERSIGHT DATABASE

PAGE: 68 DATE: 04/20/00

YE

#### HANDLERS WITH CORRECTIVE ACTION ACTIVITY

#### -- PART A --

ID NUMBER	HANDLER NAME	CA 050	CA CA	CA 070	CA 075	CA 100	CA 140	CA 150	500 CA	570 CV	552 CA	250	CA 300	CA 340	CA 350	CA 400	CA 450	CA 500				CA 750	
ILDOZO367561 ILDOOO714881 ILDO47028881 ILDOO5465919	KEMMER PRAZISION KERR MCGEE CHEMICAL COR KEYSTONE GROUP BARTONVI KINCAID GENERATION LLC KNOEDLER MANUFACTURERS KOMATSU DREESER CO			YEZ YEZ	LO	23Y		YEZ			YE								YES	YE2	YE	YE	YES
ILDOOS164611 ILDOO44760253 ILDOO1426616 ILDOO6280606 ILDO80502744 ILDO10597276	KOPPERS INDUSTRIES INC KW BATTERY CO KYANIZE PAINTS INC LACLEDE STEEL CO ALTON LAIDLAW ENVIRONMENTAL S LAKE RIVER CORP TERMINA LAVIN R AND SONS INC	AEZ AEZ AEZ AEZ	,	YES YES	LO LO HI	YES		YEZ YEZ			YE YE								YEZ YEZ		YE	YE	
ILD075615674 ILD005265749 ILD005071608 ILD005442371 ILD074410390	LIBERTY COPPER & WIRE C LIFETIME DOORS INC LILLY INDUSTRIES INC LINDBERG HEAT TREATING LINE TOOL & STAMPING CO LIQUID DYNAMICS INC LISSNER CORP			YE2							IN		<u></u>	<u>.</u>									<u> </u>
ILDO25475914 ILD980613475 ILD00164365 ILD056623598 ILD053202693	LOGAN BOB TRACTOR CO LONE STAR INDUSTRIES OG	YES		YES	ME ME ME	YES		<b>YF</b> 7	YES		IN NR										YE	YE	YEZ
ILDOLASOL419 ILDOL7478591 ILDOAZOSOS76 ILDOOS47688 ILDOG4294961	I LUNT MFG CO INC I MAGIE BROTHERS OIL CO MANNER PLATING INC I MARATHON ASHLAND PETROL I MARTIN VARNISH CO	YES		YES	L0 L0	YES.			YES		IN YE		;									YE	
ILDO2582151; ILDO0511575; ILDO6741733; ILDO0574601; ILDO0597380; ILDO9898320;	5 MASON-DIXON TANK LINES 3 MASONITE CORP 3 MATHESON GAS PRODUCTS I 7 MAYTAG GALESBURG REFRIG 6 MAYTAG HERRIN LAUNDRY F 5 MAZE NAILS DIV OF WH MA 5 MCCOOK LEAD SUPPLY INC 5 MCKESSON CHEMICAL CO	; ;			LO HI LO ME						IN												

ILD005164611 ILD005164611 ILD004760253 ILD001426618 ILD006280606 ILD980502744 ILD010597276 ILD097271563	LAKE RIVER CORP TERMINALS DIV	SUNNYSIDE AVE 8/TH 21-100F1 W 3900 S LARAMIE AVE 3555 HOWARD ST 1616 N 14TH ST 5 CUT ST 5 CUT ST 4 N 25 N PECATONICA ROAD 5025 S SHERIDAN RD 2333 WISCONSIN AVE	CHICAGO SKOKIE SPRINGFIELD ALTON PECATONICA FOREST VIEW NORTH CHICAGO DOWNERS GROVE	IL IL IL IL IL IL	50650 50076 52702 52002 53053 50402 50064 500515	•	
ILDOY70331AA ILDO75L55749 ILDOOSSL5749 ILDOOSO71AOA ILDOOS442371 ILDO74410390 ILDOOS431075 ILDOOS475914 ILD9A0613475	LIBERTY COPPER & WIRE CO LIFETIME DOORS INC LILLY INDUSTRIES INC LINDBERG HEAT TREATING CO LINE TOOL & STAMPING CO LIQUID DYNAMICS INC LISSNER CORP LOGAN BOB TRACTOR CO LONE STAR INDUSTRIES OGLESBY	TE STATE STATE STATE  TE YEAR ALGONOUS  TE YEAR A CEPT  TE HTML 3 CCFT  TE ALGONOUS  TE ALGONOUS	WATSEKA MOLINE MELROSE PARK ARLINGTON HEIGHTS CHICAGO FRANKLIN GROVE OGLESBY	IL IL IL IL IL IL	61265 61265 60160 60005 60628 60622 60131		

REPORT ID: CAREGST

## U.S. ENVIRONMENTAL PROTECTION AGENCY RCRIS NATIONAL OVERSIGHT DATABASE

PAGE: 67 DATE: 04/20/00

#### HANDLERS WITH CORRECTIVE ACTION ACTIVITY

#### -- PART B --

ID NUMBER	LONZA INC  LTV STEEL CO CHICAGO WORKS  LUCENT TECHNOLOGY INDIAN HILL  LUNT MFG CO INC  MAGIE BROTHERS OIL CO  MANNER PLATING INC  MARATHON ASHLAND PETROLEUM LLC  MARTIN VARNISH CO  MAYTAG GALESBURG REFRIGERATION  MAYTAG GALESBURG REFRIGERATION  MAYTAG FALES DIV OF WH MAZE CO  MCCOOK LEAD SUPPLY INC  MCKESSON CHEMICAL CO  MCWHORTER EAST  MCWHORTER EAST  MCWHORTER ECHNOLOGIES INC  MCCHARTINSHING CO  METAL FINISHING CO  METAL FINISHING RESEARCH CORP  METAL TREATING AND ENG INC  METHODE ELECTRONICS INC  METHODE ELECTRONICS INC  MIDLAND-ROSS CORP NAT CASTINGS—CICERO  MIDLAND-ROSS CORP NATIONAL CASTINGS DIV  MIDWEST ELECTRIC MFG CORP  MIDWEST PRINTED CIRCUIT SVCS  MIDWESTERNATIONAL INC  MIX TIMBER CO  MOBIL OIL CORP CICERO LUBE PLT  MOBIL OIL JOLIET REFINERY	STREET	CITY	<b>TZ</b>	ZIP CODE
PAJENJINNIT	LONZA TNC	RTF 24	MAPLETON	IL	63547
APPERATION IT	LTV STEEL CO CHICAGO MORKS	TILON S BURLEY AVE	CHICAGO	IL	60617
EPASOSEZOODI	LUCENT TECHNOLOGIES INC	ASPA MESTERN ARE	LISLE	IL	F0235
PERDUALUE II	LUCENT TECHNOLOGY INDIAN HILL	2000 N NAPERVILLE RD	NAPERVILLE	IL	60566-7033
IL DOLASOL439	LUNT MEG CO INC	LOS LUNT AVE	SCHAUMBURG	ΙL	60193
ILD067478594	MAGTE BROTHERS OTL CO	9101 W FULLERTON AVE	FRANKLIN PARK	ΙL	P0737
ILD082050576	MANNER PLATING INC	926 E RIVER LN	ROCKFORD	IL	F3333
ILD005476882	MARATHON ASHLAND PETROLEUM LLC	MARATHON AVE	ROBINZON	ΙL	62454
ILD094294964	MARTIN VARNISH CO	900 W 49TH PL	CHICAGO	IL	<b>5</b> 0509
ILD057736035	MASON-DIXON TANK LINES INC THE	HWY 40	MARSHALL	ΙL	62443
ILD025821513	MASONITE CORP	1955 POWIS RD	WEST CHICAGO	ΤL	6018S
ILD005115753	MATHESON GAS PRODUCTS INC	RICHARDS ST & MANHATTAN RD	JOLIET	IL	60434
ILDO67417337	MAYTAG GALESBURG REFRIGERATION	MONMOUTH BLVD	GALESBURG	ΙL	63403
ILDO93746014	MAYTAG HERRIN LAUNDRY PRODUCTS	430 E LYERLA DR	HERRIN	IL	62948
ILD005973805	MAZE NAILS DIV OF WH MAZE CO	FOO CHURCH ZT	PERU	IL	61354
805E8P8P04JI	MCCOOK LEAD SUPPLY INC	7753 W 47TH ST	MC COOK	ΙL	PG252
ILD070687165	MCKEZZON CHEMICAL CO	3VA AINNORLAS Z DOLE	CHICAGO	IL	P0P09
ILD074583402	MCKEZZON CHEMICAL CO	SP3d ZEMETT Z1	ROCKFORD	IL	P7704
ILD005083316	MCWHORTER EAST	LAKE MARIOM RD AND COTTAGE AVE	CARPENTERSVILLE	ΙL	PUTIO
ILD980578876	MCWHORTER TECHNOLOGIES INC	374 E JOE ORR ROAD	CHICAGO HEIGHTS	IL	60477
ILDO95299020	MCWHORTER WEST	COTTAGE AVE	CARPENTERSVILLE	ΙL	60110
ILD045702586	MEAD CONTAINERBOARD	3VA HT&7 2 4047	BRIDGEVIEW	IL	P0422
ILD054348172	MECH-TRONICS CORPORATION	157 N 25TH AVE	MELROSE PARK	ΙL	P03P0
ILD047906607	MERCURY FINISHING CO	2112 S PRAIRIE AVE	CHICAGO	IL	PDPJP
ILD045700945	METAL FINISHING RESEARCH CORP	4025 S PRINCETON AVE	CHICAGO	IL	60609
ILD005084009	METAL TREATING AND ENG INC	7346 CENTRAL PARK	ZKOKIE	ΊL	60076
ILD096731468	METALICO GRANITE CITY INC	12 HT4£ 005£	GRANITE CITY	IL	62046
ILD005092135	METHODE ELECTRONICS INC	7444 W WILZON	CHICAGO	ΙL	POP 2P
ILD046579488	METHODE ELECTRONICS INC INTRCNCT PROD	1700 HICKS RD	ROLLING MEADOWS	IL	P0009
ILD077117992	METRO ST LOUIS DRUM SVC INC	3105 MISSOURI AVE	EAST ST LOUIS	IL	62205
ILD001899772	MICRO SWITCH PLT 4	FAIRGROUND ROAD	FREEPORT	IL	P7035
ILD049015134	MIDLAND-ROSS CORP NAT CASTINGS-CICERO	1400 S LARAMIE AVE .	CICERO	ΙL	FDF2D
16772317761	MIDLAND-ROSS CORP NATIONAL CASTINGS DIV	JJO N 25TH AVE	MELROSE PARK	IL	F07PC
ILD059453373	MIDWEST ELECTRIC MFG CORP	ILIAN W WALNUT	CHICAGO	IL	P0F75
ILD005149505	MIDWEST PRINTED CIRCUIT SVCS	1741 N CIRCUIT DR	ROUND LAKE BEACH	Il.	60073
ILT180013419	MIDWESTERN DRUM SERVICE INC	7500 BIZZELL AVE	VENICE	IL	P5040
ILDO68474147	MII INTERNATIONAL INC	2800 SHERMER RD	NORTHBROOK	IL	PDOPS
ILD054955547	MIKA TIMBER CO	LANDFILL RD	SPARTA	ΙL	P59PA
ILD0000815357	MOBIL OIL CORP CICERO LUBE PLT	3001 S CICERO AVE	CICERO	ΙL	POP 20
ILD064403199	MOBIL OIL JOLIET REFINERY	I 55 AND ARSENAL RD	JOLIET	IL	60434

HANDLER NAME: LIBERTY COPPER & WIRE CO HANDLER ID:

ILD047033188

STREET:

2333 WISCONSIN AVE

EPA FACILITY ID: ILD047033188

CITY:

**DOWNERS GROVE** 

CORPORATE LINK: No

STATE:

 $\Pi$ 

COUNTY:

**DU PAGE** 

ZIP CODE:

60515

MAPPING INFO:

MAP

**EPA REGION:** 

5

# **CONTACT INFORMATION**

NAME	STREET	<u>CITY</u>	STATE	ZIP CODE	PHONE	TYPE OF INFORMATION
LIVINGSTON LESLIE	HW/JC/YMCINE I	DOWNERS GROVE	IL	60515	(312) 242-4420	Part A Permit
LIVINGSTON LESLIE	HANTON Y YOLOHOU I	DOWNERS GROVE	IL	60515	(312) 242-4420	Notification

# HANDLER / FACILITY CLASSIFICATION

HANDLER TYPE	LAND DISPOSAL	INCINERATOR	BOILER AND OR INDUSTRIAL FURNACE	STORAGE	TREATMENT
Permit Progress	·			Y	
Subject to CA ··					

HANDLER NAME: MAGNETROL INTERNATIONAL INC

HANDLER ID:

ILD089824684

STREET:

5300 BELMONT ST

EPA FACILITY ID: ILD089824684

CITY:

**DOWNERS GROVE** 

CORPORATE LINK:

No

STATE:

 $\Pi$ 

COUNTY:

**DU PAGE** 

ZIP CODE:

60515

MAPPING INFO:

<u>MAP</u>

**EPA REGION:** 

5

# **CONTACT INFORMATION**

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF INFORMATION
IIIOSEPH I	BRELMONT I	DOWNERS GROVE	IL	60515	(312) 969- 4000	Part A Permit
LIELDER	IKHIMINI I	DOWNERS GROVE	пL	60515	(312) 969- 4000	Notification

# HANDLER / FACILITY CLASSIFICATION

HANDLER TYPE	LAND DISPOSAL	INCINERATOR	BOILER AND OR INDUSTRIAL FURNACE	STORAGE	TREATMENT
Large Generator		·			

HANDLER

MXL INDUSTIRES WOODLAND

NAME:

MOLD DIV

STREET:

2300 WISCONSIN AVE

**HANDLER ID:** 

EPA FACILITY ID: ILD005130000

**DOWNERS GROVE** 

**CORPORATE** LINK:

No

STATE:

CITY:

 $\mathbb{L}$ 

**COUNTY:** 

**DU PAGE** 

ILD005130000

ZIP CODE:

60515

MAPPING INFO:

MAP

**EPA REGION:** 

5

# **CONTACT INFORMATION**

NAME	STREET	<u>CITY</u>	STATE	ZIP CODE	PHONE	TYPE OF INFORMATION
ANDERSON RICHARD	HAZIOTANIO I	DOWNERS` GROVE	ΠL	60515	(312) 969-6100	Part A Permit
MURPHY STEVEN	BAZISCI NISTNI - I	DOWNERS GROVE	IL	60515	(630) 960-2288	Notification

No Handler/Facility classification information is available for the facility listed above.

# Bureau of Land

The following LUST incidents matched your search criteria. To display additional information about a selected incident, click on the hyperlinked IEMA #.

IEMA#	LPC#	Site Name	Address	City	ZIP Code	
891092	0430305093	Tucek, Ronald	4250 Lacey Rd.	Downers Grove	60515	
891116	0430305051	D&M Corvette Specialists	1804 Ogden Ave.	Downers Grove	60515	
891117	0430305051	D&M Corvette Specialists	1804 Ogden Ave.	Downers Grove	60515	
891320	0430305094	Shell Oil Co.	Ogden Ave.& Fairview	Downers Grove	60515	
891369	0430305096	Resthaven Nursing Home	3450 Saratoga	Downers Grove	60515	
891490	0430305122	Emro Marketing	5004 Fairview	Downers Grove	60515	
900410	0430305098	MCI Telecoms	501 63rd St.	Downers Grove	60516	
900415	0430305095	Amli Office Partners	3333 Finley Rd.	Downers Grove	60515	
<u> 900886</u>	0430305103	Dalise Enterprises	5245 Main St.	Downers Grove	60516	
900986	0430305102	Amoco Oil Co. #9776	2231 Maple St.	Downers Grove	60515	
	[3/11]					

Home | State of Illinois | US EPA | Contact IEPA | Disclaimer | Site Map | Search

# Burcau of Land

The following LUST incidents matched your search criteria. To display additional information about a selected incident, click on the hyperlinked IEMA #.

IEMA#	LPC#	Site Name	Address	City	ZIP Code
903402	0430305121	Uno-ven	1201 East Ogden Ave.	Downers Grove	60515
903727	0430305114	Illinois Bell Telephone	4924 Forest	Downers Grove	60515
910323	0430305135	Thornton Oil Corp. `	1012 Ogden Ave.	Downers Grove	60515
910867	0430305136	Diocese of Joliet	444 East Wilson	Downers Grove	60515
911084	0430305142	Okerson's Service Inc.	356 Maple Ave.	Downers Grove	60515
912105	0430305148	Southland Corp.	63rd & Main St.	Downers Grove	60516
912371	0430305152	Baker Motor Express Inc.	5355 Walnut St.	Downers Grove	60516
913065	0430305158	Suburban Moving & Storage	2400 Wisconsin Ave.	Downers Grove	60515
913221	0430305098	MCI Telecommunications	501 West 63rd St.	Downers Grove	60516
920115	0430305164	Downers Grove Ice Arena Ltd. Partnership	5501 Walnut Ave.	Downers Grove	60515
	[5/11]				

Home | State of Illinois | US EPA | Contact IEPA | Disclaimer | Site Map | Search

# Burcay of Land

The following LUST incidents matched your search criteria. To display additional information about a selected incident, click on the hyperlinked IEMA #.

IEMA#	LPC#	Site Name	Address	City	ZIP Code	
921108	0430300008	Rockwell International	8245 South Lemont	Downers Grove	60516	
921361	0430305157	Slampak Union 76	4947 Belmont	Downers Grove	60515	
921699	0430305172	Hillcrest Elementary. School	1435 Jefferson St.	Downers Grove	60516	
922022	0430300021	Delta Sonic Car Wash	1415 Ogden Ave.	Downers Grove	60515	
922092	0430305173	Goldsmith, Ruth	1015 Curtiss St.	Downers Grove	60515	
922282	0430305175	Sunlife of Canada	1101 West 31st St.	Downers Grove	60515	
923187	0430305151	Amoco Oil Co. #8779	6241 Main	Downers Grove	60515	
930155	0430305169	Automotive Services	844 Warren Ave.	Downers Grove	60515	
930214	0430305016	Arrow Gear Co.	2301 Curtiss St.	Downers Grove	60515	
930513	0430305187	A-Len Automotive Inc.	333 Ogden Ave.	Downers Grove	60515	
	[6/11]					

Home | State of Illinois | US EPA | Contact IEPA | Disclaimer | Site Map | Search

# Illinois Environmental Protection Agency Burcau of Land

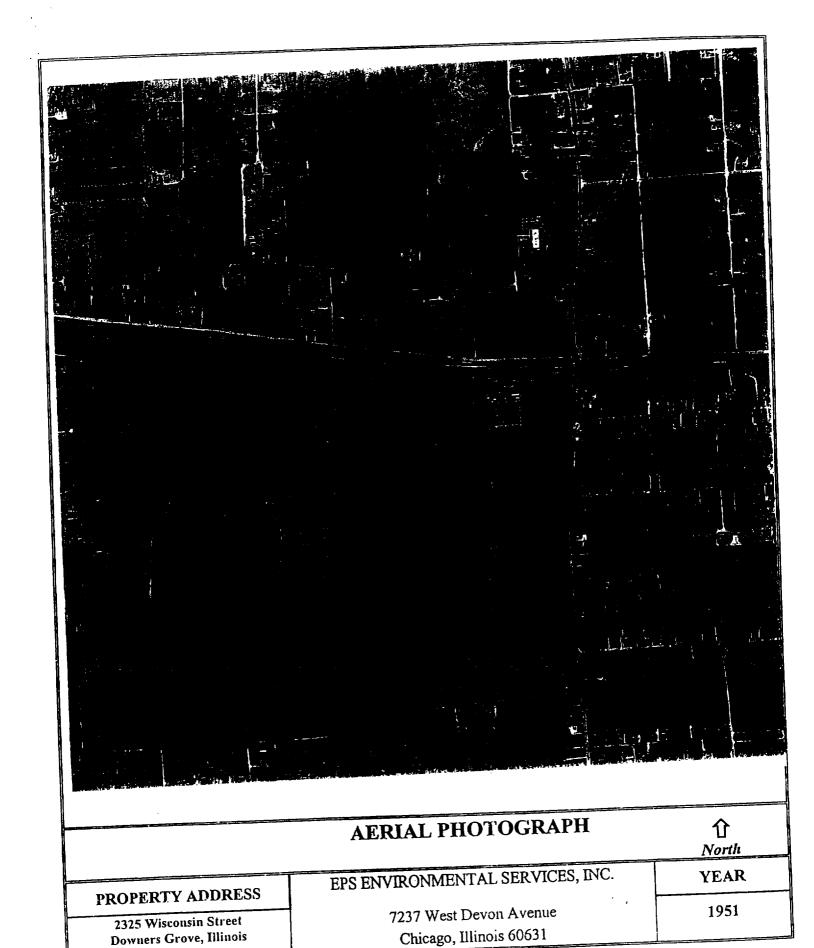
The following SRP sites matched your search criteria. To display additional information about a selected site, click on the hyperlinked LPC #.

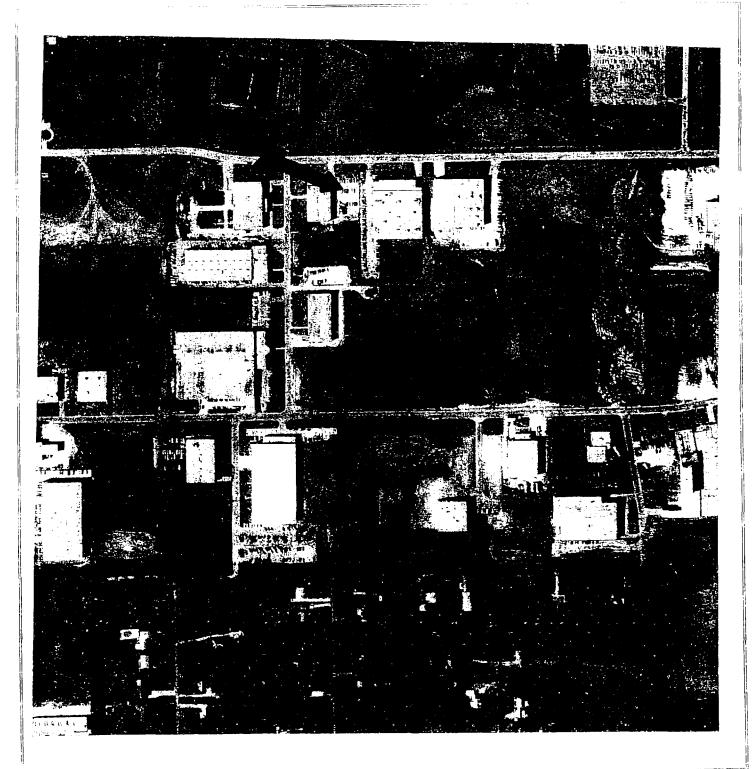
LPC#	Site Name	Street	City	ZIP Code
0430305267	Fairview Maple Plaza	5003 Fairview Plaza	Downers Grove	60515-
0430305023	Moldtronics, Inc.	703 Rogers Street	Downers Grove	60515-
0430305029	Morey Corporation	2659 Wisconsin Street	Downers Grove	60515-
0430300008	Rockwell International	8245 South Lemont Road	Downers Grove	60516-

Home | State of Illinois | US EPA | Contact IEPA | Disclaimer | Site Map | Search

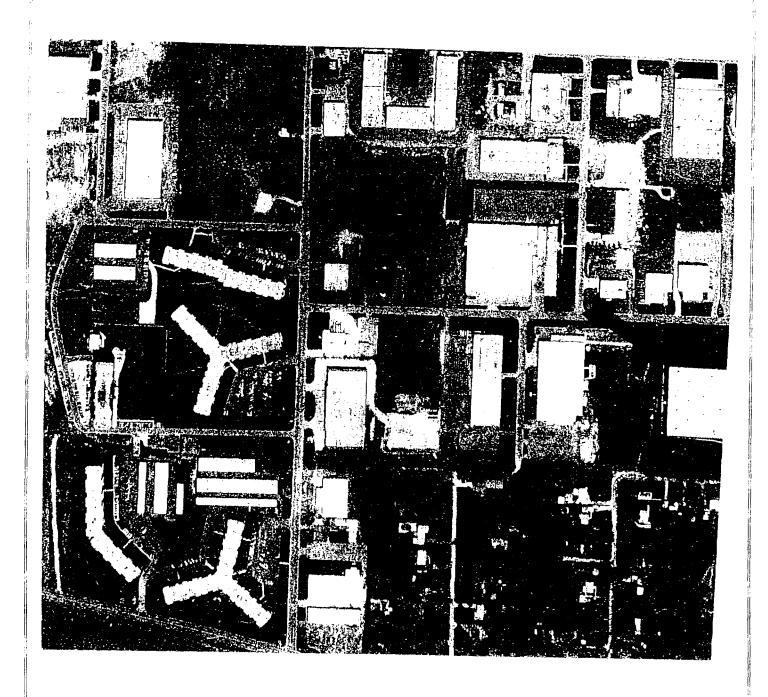


# APPENDIX C HISTORICAL INFORMATION

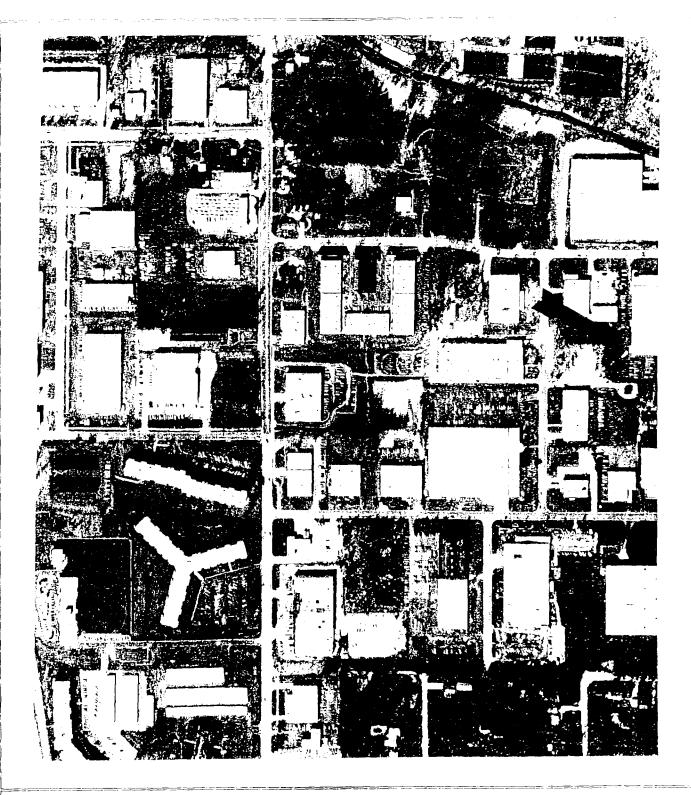




	AERIAL PHOTOGRAPH	↑ North
PROPERTY ADDRESS	EPS ENVIRONMENTAL SERVICES, INC.	YEAR
2325 Wisconsin Street Downers Grove, Illinois	7237 West Devon Avenue Chicago, Illinois 60631	1970



	AERIAL PHOTOGRAPH	्री North
PROPERTY ADDRESS	EPS ENVIRONMENTAL SERVICES, INC.	YEAR
2325 Wisconsin Street Downers Grove, Illinois	7237 West Devon Avenue Chicago, Illinois 60631	1980



	AERIAL PHOTOGRAPH	ी North
PROPERTY ADDRESS	EPS ENVIRONMENTAL SERVICES, INC.	YEAR
2325 Wisconsin Street Downers Grove, Illinois	7237 West Devon Avenue Chicago, Illinois 60631	1990



# APPENDIX D ENVIRONMENTAL QUESTIONNAIRE

environmenta

Post-it* Fax Note 7671	Date 10-3/ pages
TOBRIAD ThomAS	From
Co./Dept.	Co.
Phone #	Phone #
Fax #	Fax 6

# **ENVIRONMENTAL QUESTIONNAIRE (002)**

Name:	11	PICON INCUSTRIES
Propert	y Address:	2325 WISCONSIN ST. DOWNERS GROVE, ILL. 605
A . Cth	ታው እግስ ለተገ	ORMER USES OF PROPERTY
A. CUI	KENTIF	
	1.	Do you own the property? YES
		a. Date property was purchased. 1959
		b. If leased, date of first lease on property. N/A
	2.	Description of current use of the property, please be specific, including number of retail or commercial units.  MANUFACTURING / IN 184 TION MOLDING
		a. Number of occupied units?
		b. Number of unoccupied units? N/A
	3.	Date original construction on property was completed. 1962
	4.	Date of subsequent additions/renovations. 1983
,	5.	Description of previous use(s) of the property, please include company names if known.  EMPTY LOT
B. DIS	CHARGE	ZS Control of the con
	1.	Are there any sources of waste water, stormwater, or other liquid discharges to surface water, septic system holding ponds or other on-site retention areas?
	2.	Are there any sources of discharge to the public sewer system?
		NoUnknown
	<b>3</b> . ·	Do these discharges require a permit?
		Yes No Unknown
		If yes, please provide details.
		WASTEWATER TREATMENT FOR PLATING DEPARTMENT
		(see PROCESS PLOW diAGRAM)
		DOWNERS GROVE JANITARY DISTRICT PERMIT # 2
•		

7237 West Davon Avenue • Chicago, Illinois 80631

[773] 792-3090

Fax (773) 792-3091



# C. HEATING/COOLING SYSTEM

1. Describe past and current heating and cooling system for the improvements on the property.

NATURAL PRO LEATING (1) ONE DOILER FOR ORIGINAL

STRUCTURE & ROOF TOP HRAC. UNITS

# D. FUEL/CHEMICAL STORAGE TANKS AND STORAGE DRUMS/CONTAINERS

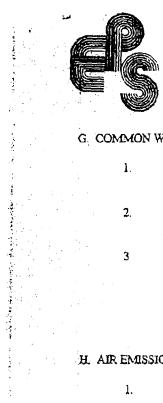
Are there any above or below ground storage tanks on the subject property.	and storage tanks on the subject property	Are there any above or below
----------------------------------------------------------------------------	-------------------------------------------	------------------------------

	Yes	<u>~</u>	No	Unknown	
	•	Tank#I	Tauk #2	Tank #3	Tank #4
Above or underground?			***************************************	•••	
Location?					
Contents?					
Capacity?					
Installation date?				-	
Registered?			·····		
Special permitting?					
Inspections or tested?					
Periodic monitoring?		<del></del>	an-population	-	
Spills, leaks or releases?					
<b>2.</b>	Have a	iy storage tank	s been removed fro	om the property in t	he past?
	Yes	V	No	Unknown	

If yes, please provide details.



	3.	Are any other chemicals stored on the property in storage drums or other containers?	
		YesNoUnknown	
		If yes, please provide contents and location.  See Chemical Storage LISTing	
e. Ha	ZARDOU	S/SPECIAL WASTE	
	1.	List all hazardous/special wastes generated or stored on the property.  See ENUIRON MENTAL COMPLIANCE - WASTE MAN	1 AGAMENT
		WORK IN STRUCTIONS	
	2.	Describe any processes on site that require storage, treatment or disposal of chemicals, sp wastes or other regulated materials.	ecial or hazardo
		PLATING & VAPOR DEGRESSING	
	3.	Do these processes require permitting or regulation from any federal or state agencies.	
		Yes _No _Uuknown	
	T.F.P.A	If yes, please provide details.  ALR PERMITS / NESHAP	
4 · · · · · · · · · · · · · · · · · · ·	4.	Describe how the special or hazardous waste generated or stored on the property are disp LICAMSED TREATMENT & disposal FACILITY	osed?
F. PC	LYCHLOI	UNATED BIPHENYLS (PCBs)	
	1.	Have polychlorinated biphenyls (PCBs) been used in electrical transformers, capacitors, hydraulic systems or other equipment at the property?	light bellasts.
		_Yes	
		If yes, please describe the use and location of possible PCB containing fixtures and equip	
		n yes, please describe the use and negation of possible PCB containing fixings are equip	oment
	2.	Have there been any studies, sampling or testing for PCB's on the property?	ment
	2.		oment
	2.	Have there been any studies, sampling or testing for PCB's on the property?	ment
	2.	Have there been any studies, sampling or testing for PCB's on the property?	ment
	2.	Have there been any studies, sampling or testing for PCB's on the property? Yes	ment
		Have there been any studies, sampling or testing for PCB's on the property? Yes	ment



G.	COMMON	WASTE	GENER.	ATTON	AND	DISPOSAL
----	--------	-------	--------	-------	-----	----------

.

6 .				
i			1.	Describe the types of solid wastes and/or liquid wastes (other than waste water) generated at the property.
Approximation of		: :	2.	How do you dispose of your solid and/or liquid wastes? List commercial waste hauler, if applicable.  Heritage Crystal-Clean
,			3	Have there been any violations, fines or actions taken by regulatory agencies due to this generation?
				Yes No _Unknown
1. 1.3.				If yes, please provide details.
1	· · :	H. AII	R EMISSI	ons
			1.	List all sources of air discharges from the property. Include fuel burning equipment and describe type of fuel burned. PLATING, UAPAR degraphs ing & MALDING EPERATION &
			2.	Are air emissions required to be permitted or monitored?
				Les No _Unknown
A Company of the Comp			3.	If yes, please describe.  LIFETIME EFERATING PERMIT FOR UNICKEL PLATING LINE  LIFETIME EFERATING PERMIT FOR UNICKEL PLATING LINE  LIFETIME EFERATING PERMIT FOR UNICKEL PLATING LINE  LI DE 043030 ADR  (3) IN JESTION MELDING MACHINES  Is there air pollution control equipment used to reduce air emissions on the property?
i.		••		Yes _No _Unknown
				If yes, please describe.  CARBON MEDIA AIR CLEANERS
		I. ASI	BESTOS	
			1.	Is there asbestos currently in any of the construction materials contained in the buildings s)?
				Yes No Unknown
A Section of		•		If yes, please indicate the locations.
		:	2.	Has an asbestos survey or air sampling been performed?
				Yes No Uaknown
				4

--- -- . .

	3.	Has asbestos	been removed from	n the building(s) in the past?
		Yes	No	Unknowu
	4,	Do you have	an Operation and	Maintenance or Asbestos Management Program in place?
		Yes	No	Unknown
TIE	ADBASI	ED PAINT		
J. <b>L.</b>	l.		v structures on the	property which contain or have contained lead based paint?
	1.	Yes	No.	Unknown
		_	indicate the location	<del>_</del>
		n yes, prease	. mmene ure rocaer	Ouz.
	2.	Has a lead b	ased paint survey b	een performed?
		_Yes	No	Unknown
	3.	Do you have	an Operation and	Maintenance or Lead Based Paint Management Program in place?
		Yes	No	Unknown
K M	ISCELLA	ANEOUS		
	1.			L DIRT that has been brought onto the property which originated from fan unknown origin?
		Yes	√No	Unknown
	2.		ow or have there be reatment or waste,	een previously, any Pits, Ponds, or Lagoous located on the property in connection disposal?
		Yes	No	Unknown
	3.	Is there curr	ently any stained so	oil on the property?
		Yes	No	Unknown
	4.	a Ha	ive there ever been	any previous Environmental Site Assessments or Audit Reports?
			Yos 🖊	NoUnknown
		b. Do	o you have access to	o them? If so, please provide copies. 5
				•
3				



The state of the s

## D121CC 2000011XD |

	<b>5</b> .	a. Have any research regarding hydrogeologic conditions or Geotechnical Studies been conducted for the property or surrounding area?
		Yes No Unknown
		b. Do you have access to them? If so, please provide copies.
		YesNo
	6.	Does the property require Material Safety Data Sheets (MSDS), and/or a Community Right-to-Know Plan?
	7.	M 5 D 5 ON LY  Has safety plans, preparedness and prevention plans, spill prevention, countermeasure and control plans, ever been established for the property, and have they ever had to be exercised?
		YesNoUnknown
		PLANS ARE IN PLACE, They have Never been exercised.
L. AD	JACENT	PROPERTIES
	1.	Currently or historically, have the adjoining properties been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?
		Yes
		If yes, please describe.
M. GO	OVERNIM	ENT ENFORCEMENT ACTIONS
	1.	a. Have you ever seen or been aware of notices or other correspondence from any government agency or courts relating to past or current violations of environmental laws with respect to the Property, to proceeding for environmental liability, or to environmental liens encumbering the Property?
		YesUnknown
		b. Do you have access to them? If so, please provide copies.
		YesNo
	2.	a. Are you aware of any other documents that may be significant to Recognized Environmental Conditions in connection with the Property?
		_Yes

000 01 01 1.00 1.00



A Company of the Comp

		b.	Do you have	access to the infor	mation? If so, please pro	ovide copies.		
			Yes	No				
	3.	a.			pending, dureatened, or from the Property?	past liugation rela	vant to Hazardous	Substances
	•		Yes	No	Unknown			
		b.	Do you have	access to the infor	mation? If so, please pro	ovide copies.		
	*		Yes	No				
	4.	a.	Do you hav Hazardous	e knowledge of ar	ny pending threatened,	or past administr	ative proceedings	relevant to
	•		Substances o	ar Petroleum Produ	cts in, on or from the Pro	эрепу?		
			Yes	No	Unknown			
	•	b.	Do you have	access to the infor	mation? If so, please pro	ovide copies.		
			Yes	No				
	5	<b>.</b>			notices from any gover ole liability relating to H			
			Yes	No	Unknown			
		b.	Do you have	access to the infor	mation? If so, please pr	ovide copies.		
			Yes	No				
- 集 - 新十二 - 素 - 素 - 集 - 集	As the pre the inform	sent owner of t ation disclosed	he property or above is true a	as a duly authorize and accurate and no	d representative of such material information ha	owner, I state that is been withheld.	to the best of my	knowledge,
						1-01-		
	LAR!	Ry MES	DANIEL		<u>/o</u> (Dale)	129/01		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		•	. 0		_		_	
	(Signature	my m	16 Dom	e e e e e e e e e e e e e e e e e e e	(Title)	ANT MAN	JAGER	
	(4-2				, ,			
r. Service					7			
					<i>;</i>		•	
				•				
•	。 4、夏夏							
	444	iliga ja virtus etta tuonista. Tuonista tuonista tuonista tuonista tuonista tuonista tuonista tuonista tuonista	ाञ्चल का एक १५%	ritati, esp				

عاد عال بالمالية

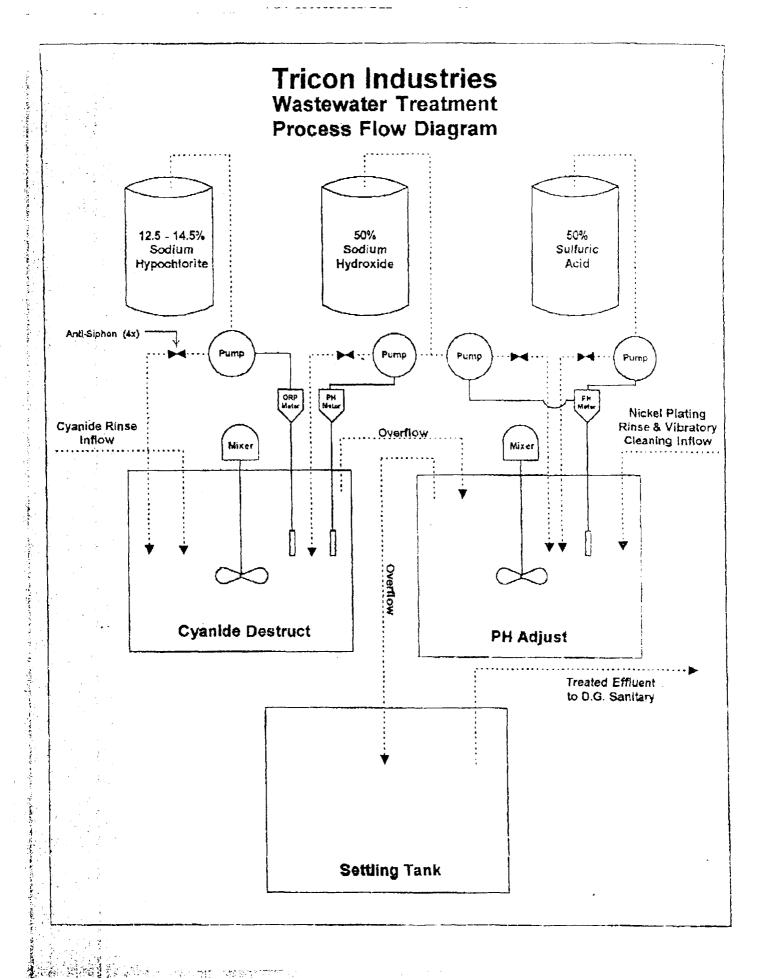
1.35%



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4 / 26 / 01	Rev Date: 4/26/01

# 4.10 CHEMICALS ON HAND AND QUANTITY

OLIFFAMO DE	01144	17171
CHEMICAL	QUAN	
Acetone	3.8	liters
Actane 73	100	lbs.
Actane 342	100	lbs.
Alkleen 501	5	Gal.
Ammonium Hydrate	40	lbs.
Benzotriazole	55	Gal.
Boric Acid	5	ibs.
Copper Cyanide	_5	Gal.
Deox	<b>5</b> 5	Gal.
Electrolytic Nickel	35	Gal.
Enbond Q-527	100	lbs.
EDM 244 (Dielectric Fluid)	<b>5</b> 5	Gal.
EDTA	5	lbs.
Enplate NI-416 M	150	Gal.
Enplate NI-416 R	1	Qt.
Enplate NI-416 S	1	Qt.
Fluoboric Acid	100	mł
Hydrochloric Acid	10	ib.
Isopropyl Alcohol	<b>5</b> 5	Gal.
Nickel Sulfamate	30	Gal.
Nitric Add	10	liters
Oakite #3	100	lbs.
Oakite Metal Sheen	5	Gal.
Orosene 80 Brightener	2	Gal.
Orosene 80 Buffer Salts	20	lbs.
Orosene 80 Gold Plating Solution	30	Gal.
Orosene 80 Gold Salts	5	oz
Orotemp 24 Buffer Salts	10	lbs.
Orotemp 24 Gold Salts	5	oz
Perchloroethylene	160	Gal.
Phosphoric Ácid	1	Gal.
Potassium Copper Cyanide	5	Gal.
Potassium Cyanide	75	lbs.
Potassium Hydroxide	5	lbs.
Potassium Silver Cyanide	100	OZ
Silver Brightener E-2	2	Gal.
Silver Cyanide Plating Solution	30	Gal.
Silver Brightener B-2	1	liter
Sodium Cyanide (Hydrocyanic Acid)	2.5	kg
Sodium Dichromate	5	lbs.
Sodium Hydroxide	4	liters
Sodium Hypochlorite	110	Gal.
Sulfuric Acid	15	liters
Tower Hydraulic Oil	220	
TOWER MY GRACIE OIL	220	Gal.





# APPENDIX E

EPS ENVIRONMENTAL QUALIFICATIONS



# PETER N. PARTIPILO, C.H.M.M.

- Phase I Environmental Property Assessment
- Subsurface Soil and Ground Water Investigation
- \* Underground Storage Tank Assessment, Removal and Closure \* Asbestos Hazard Assessment and
- Supervision of Phase III Contaminated Site Remediation
- Compliance Auditing
- Lead Inspection and Abatement

and Remediation Management

# PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

- Certified Hazardous Materials Manager
- \* Licensed Asbestos Inspector, State of Illinois Department of Health
- \* Licensed Lead Inspector, State of Illinois Department of Health

# **EDUCATION**

University of Wisconsin, College of Engineering - "Soil and Groundwater Remediation Methods and Technology Course" and "Subsurface Monitoring Strategies Course"

Environmental Group Services - "Asbestos Inspectors Course" and "Asbestos Contractor Course"

Government Institutes - "Groundwater Hydrogeology Course"

Moraine Valley Community College; Environmental Institute - "Asbestos Building Inspector Course", "Asbestos Building Inspector Refresher Course", "Environmental Audits of Real Estate Course", "Environmental Compliance Auditing Course", "Wetland Course", "Sick Building Syndrome", "Pretreatment/Industrial Waste Water Course" and "Lead Inspector Course"

National Water Well Association - "Legal Implications of Environmental Site Assessments Seminar"

Illinois Institute of Technology - "Certified Hazardous Materials Manager Review Course"

# PROFESSIONAL EXPERIENCE

# EPS Environmental Services, Inc.

Senior Environmental Specialist \* February 1992 - Present

Performs Phase I Environmental Property Assessments and Phase II subsurface soil and groundwater investigations, testing and sampling and wetlands studies. Manages and oversees underground storage tank assessments, removals and remediations. Handles asbestos and lead surveying, sampling, assessment and abatement.

# U.S Environmental Testing and Consultants, Inc.

Project Coordinator \* 1989 - January 1992

Managed and oversaw testing, removal, and remediation of leaking underground storage tanks. Evaluated hazardous materials handling practices. Performed environmental property assessments.

# Team Company

Project Coordinator \* 1975 - 1989

Designed strategies and supervised removal of above and below ground storage tanks. Inspected for asbestos on commercial industrial properties.

# SAMUEL T. BODINE



- \*Contaminant Characterization and Delineation
- \*Remedial Design Pilot Studies
- \*Leaking Underground Storage Tank Closure
- \*Phase I Environmental Property Assessment
- \*Remedial Options Evaluation
- \*Remediation System Design and Installation
- \*Subsurface Soil and Groundwater Investigation
- \*Licensed Asbestos Inspection

# PROFESSIONAL REGISTRATIONS/SOCIETIES

- \* Member of the Environmental Bankers Association 1999-Present
- \* Member of the Illinois Association of Environmental Professionals 1994-1999

### **EDUCATION**

B.A., Environmental Studies and Biology, Lake Forest College, 1994
40-Hour OSHA 29CFR1910.120 HAZWOPER
8-Hour OSHA 29CFR1910.120(E) Site Supervisor
AHERA Asbestos Building Inspector & IDPH Licensed
Asbestos Contractor Supervisor (OSHA Competent Person) & IDPH Licensed
Accredited Site Assessor by the State of Wisconsin

# PROFESSIONAL EXPERIENCE

# EPS Environmental Services, Inc.

Senior Project Manager \* February 2001 - Present

Performs or supervises Phase I Environmental Property Assessments and subsurface soil and groundwater investigation. Manages and oversees leaking underground storage tank (LUST) sites, UST removals and IEPA Site Remediation projects.

#### Bank One Corporation

Environmental Risk Officer \* May 1999 – February 2001

Developed strategies and solutions to mitigate the environmental risks for the bank. Quantified the environmental risks to provide remediation costs for lenders. Maintained list of approved environmental consultants and contract with firms to conduct assessments & investigations on behalf of the bank. Responsible for integrating the bank's environmental policies & procedures and managing environmental credit risks for all lending activities. Reviewed and evaluated environmental assessment reports, provided technical expertise and advice to relationship managers to support the credit review process.

# Carlson Environmental, Inc.

Senior Project Manager \* July 1994 - May 1999

Managed and conducted large-scale field investigations, remediations and prepared associated reports for heavy industrial facilities. Worked as Health and Safety Coordinator and Equipment Manager preparing proposals and budgets, direct contact with clients and regulatory agencies, designed field investigation work plans and complete documentation/reports for clients or submission to regulatory agencies. Conducted RCRA Facility Investigations, closure of LUSTs, negotiating "closure" of environmentally impacted sites under the IEPA Site Remediations Program and



# SAMUEL T. BODINE (cont.)

conducting large-scale soil and ground water investigations. Conducted Phase I Environmental Assessments throughout the United States and Canada. Conducted Phase II Limited Subsurface Soil and Ground Water Investigations. Provided oversight for UST removals and LUST remediations. Prepared applications for wastewater / storm water discharges and air pollution control applications.



# Brian J. Thomas

# **AREAS OF EXPERTISE**

- \* Phase I Environmental Property Assessment
- \* Property Transaction Screen Assessment
- \* Asbestos Inspection

# PROFESSIONAL AFFILIATIONS/CERTIFICATIONS

Licensed Asbestos Professional (Inspector) State of Illinois Department of Health and Indiana Department of Environmental Management.

# **EDUCATION**

Bachelor of Science in Environmental Science, Bowling Green State University, Bowling Green, Ohio

# PROFESSIONAL EXPERIENCE

# EPS Environmental Services, Inc.

Project Manager\* May 2001 - Present

Head of the Phase I Environmental Property Assessment Department. Responsible for price quotes, client contact, scheduling, facility inspections and report generation. Performs asbestos sampling.

# Clean Air Engineering

Project Leader\*January 2001 to May 2001

Performed compliance testing to the satisfaction of regulatory agencies. These tests include: Sampling for dioxin/furans, hexavalent chromium, volatile/semivolatile organics and heavy metals. Particulate, SO2, NOx, THC and other criteria pollutant emissions testing. VOC capture and destruction efficiency testing. Continuous emissions monitor certification testing. Hazardous air pollutant (HAPs) emissions testing. Fourier Transform Infra-Red (FTIR) Testing and Monitoring

#### Nicor Natural Gas, Inc.

Mercury Analyst\*August 2000 to January 2001

Visually inspect Nicor gas regulators and homes for possible mercury contamination. Conduct air sampling of homes with possible mercury contamination using Jerome 411 & 431 mercury vapor analyzers. Document results of the testing in great detail and handle customer relations. Personally train incoming contractors.



# APPENDIX F

PROPOSAL BETWEEN CLIENT AND EPS ENVIRONMENTAL



# environmental services, inc.

# **PROPOSAL**

# PHASE I ENVIRONMENTAL PROPERTY ASSESSMENT

Prepared For:

American National Bank & Trust Company of Chicago 120 South LaSalle Street Chicago, Illinois 60603

Property Address:

2325 Wisconsin Avenue Downers Grove, Illinois

Project Number:

3899-1001

October 18, 2001



#### **PURPOSE**

The purpose of this Proposal for a Phase I Environmental Property Assessment is to provide American National Bank & Trust Company of Chicago (Client), with EPS Environmental Services, Inc.'s (EPS Environmental) proposal and estimated cost of conducting a Phase I Environmental Property Assessment of 2325 Wisconsin Avenue, Downers Grove, Illinois (Property). The purpose of the proposed Phase I Environmental Property Assessment (Phase I Assessment) will be to identify readily apparent, potential sources of environmental liabilities associated with the Property, based exclusively upon the scope of services set forth and agreed upon.

#### SCOPE OF SERVICES

The scope of services to be performed by EPS Environmental, in order to identify areas of environmental concern, will be consistent with the recommended practices set forth in the "Phase I Environmental Site Assessment Process" contained in the American Society for Testing and Materials (ASTM), Standard E 1527-00, and will include the following:

#### A. Records Review

- 1. Physical Setting Sources
  - a. Review United States Geological Survey 7.5 Minute Topographic Map for topography of the Property and surrounding area.
  - b. Review State Geological Survey for published information regarding the surficial geology of the Property.
- 2. Federal and State Record Sources Review the following published environmental databases for the Property and sites within the Approximate Minimum Search Distances as designated by ASTM:
  - a. Federal National Priority List for hazardous substance release sites targeted for long-term remediation action under Superfund.



- b. Federal Comprehensive Environmental Response, Compensation, and Liability Information System for priority cleanup sites or those sites under investigation as potential hazardous substance release sites.
- c. Federal Resource Conservation and Recovery Act Information System for facilities that generate, transport, store, treat, or dispose of hazardous waste.
- d. Federal Emergency Response Notification System List of reported hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center.
- e. State landfill and/or solid waste disposal sites.
- f. State list of hazardous waste sites, which is the State equivalent to the National Priority List and the Comprehensive Environmental Response, Compensation, and Liability Information System, for sites identified for investigation or remediation.
- g. State leaking underground storage tank list.
- h. State registered underground storage tank list.
- 3. Historical Sources Review or contact one or more of the following reasonably obtainable sources of information to determine the historical uses of the Property from the present back to the Property's first developed use or to 1940, whichever is earliest:
  - a. Sanborn Fire Insurance Maps of the Property for prior uses and locations of fuel and/or chemical storage tanks and storage of other potentially toxic substances.
  - b. Historical aerial photographs for indications of previous uses.
  - c. Local Building Department regarding structures, installations, removals, licenses and permits that may reflect an environmental condition of the Property.
  - d. Local Fire Department regarding the use or storage of hazardous substances or petroleum products on the Property.



- e. Local Health or Environmental Department regarding any known environmental occurrences associated with the Property.
- f. Zoning Department regarding zoning restrictions on the Property.

#### B. Site Reconnaissance

- 1. Visually and physically observe the Property in an attempt to identify readily apparent, potential sources of environmental liabilities including:
  - a. General Site Setting
    - 1. Current and past uses of the Property
    - 2. General description of structures and roads
    - 3. Potable water supply
    - 4. Sewage disposal system
  - b. Interior and Exterior Observations
    - 1. Dead or distressed vegetation
    - 2. Disturbed or stained soils and surfaces
    - 3. Drains or sumps
    - 4. Hazardous substances and petroleum products
    - 5. Heating/cooling system
    - 6. Pits, ponds, lagoons or standing water
    - 7. Point sources of effluent discharges and air emissions
    - 8. Polychlorinated biphenyl (PCB)-containing electrical equipment
    - 9. Potential lead based paints
    - 10. Surface impoundments
    - 11. Suspect asbestos containing materials
    - 12. Waste disposal and housekeeping practices
    - 13. Wastewater discharge
    - 14. Water wells and septic tank systems
    - 15. Underground or aboveground storage tanks, storage drums or containers
    - 16. Unusual or noxious odors



- 2. Visually and physically observe the surrounding sites, from the Property and public right-of-ways, in an attempt to identify readily apparent, potential sources of environmental liabilities posed by adjacent land use.
- 3. Provide photographic documentation of significant environmental features.

# C. Interviews

- 1. Interview Property or facility owner, operator or key personnel for information indicating environmental conditions in connection with the Property.
- 2. Submit an environmental questionnaire to present Property or facility owner or operator for information regarding environmental liens or additional specialized knowledge concerning the Property.
- D. EPS Environmental will prepare a final Phase I Assessment Report (Report) for the Client containing the observations and Conclusions of the site findings. The Report will be based exclusively upon the scope of services outlined above. Findings and Conclusions in the Report will be rendered based on accepted industry standards, but are not to be construed as a guarantee or warranty as the potential liability associated with environmental conditions or impacts on the Property.

# WARRANTY AND LIMITATION OF LIABILITY

The Phase I Assessment will be of limited scope, and will not provide sufficient information to eliminate the total risk of the presence of contamination or other liabilities. Significantly higher levels of exploratory efforts than those performed in the proposed Phase I Assessment are required to accumulate sufficient information to determine all environmental liabilities associated with the Property.

EPS Environmental warrants that the Phase I Assessment will be conducted in accordance with generally accepted investigatory methods utilized by professional environmental consultants and will include the recommended practices for the "Phase I Environmental Site Assessment Process" contained in the ASTM Standard Practice E 1527-00. EPS Environmental further warrants that the Findings and Conclusions in the Report will be based exclusively on the Phase I Assessment. The investigatory methods that EPS Environmental will utilize in the Phase I Assessment have been developed to provide the Client with information regarding apparent indications of existing or petential environmental conditions relating to the Property and are limited to the conditions that



will be observed at the time of the investigation of the Property. The Findings and Conclusions contained in the Report will also be limited to the information available on the Property at the time that the Phase I Assessment is conducted. There is a distinct possibility that conditions may exist at the Property which will not be apparent during the preparation of the Phase I Assessment. In conducting the Phase I Assessment and preparing the Report, EPS Environmental will rely on the information obtained from Property owner/operators or other persons, and government agencies having knowledge of operations and practices of the Property. EPS Environmental will assume that this information is accurate and complete, except when independent investigation indicates otherwise.

The Phase I Assessment will not attempt to determine whether the facility operating on the Property is in compliance with existing regulations. The Report will discuss and summarize areas of environmental concern for the Property itself. The Report will provide no other warranties, expressed or implied.

#### CONFIDENTIALITY

EPS Environmental will hold the Report and all field obserations and related documents in strict confidence and will not disclose these items except to the Client or except as ordered by any state or federal agency or court of law. In the event that EPS Environmental is ordered by a state or federal agency or court of law to disclose the contents of the Report or field observations, the Client shall hold EPS Environmental harmless from liability for any damages that the Client may suffer due to EPS Environmental's disclosure. In addition, the Client shall indemnify EPS Environmental from any and all damages EPS Environmental may suffer due to any action which results in an order that EPS Environmental make a disclosure.

# RELIANCE ON PHASE I ASSESSMENT AND REPORT

The Phase I Assessment and Report will be conducted exclusively for the Client and Harris Bank, and it is intended that only the Client and Harris Bank will rely on the Report. The Phase I Assessment and Report will be solely for the benefit of the Client and Harris Bank, and may not be relied upon by third parties.



# SOURCES OF INFORMATION RELIED UPON FOR PHASE I ASSESSMENT AND REPORT

All information that EPS Environmental will rely on in conducting the Phase I Assessment and preparing the Report, not specifically identified as generated by EPS Environmental or any federal, state, or local agency will be provided by or derived from data provided by the Client and/or the Property owner.

#### COMPENSATION

Compensation for the Phase I Assessment work as summarized in this Proposal is pursuant to the attached Compensation Schedule.

# SCHEDULE



EPS Environmental will commence work upon receipt of a signed copy of this froposal. The scope of services will be completed within fifteen (15) to eighteen (18) working days from the commencement date, provided access is granted in a timely manner.

#### PERMISSION TO ENTER

I, the undersigned, do hereby represent that I am the owner of the Property or the agent of the owner with power to grant right of entry thereon. I hereby grant permission to any employees or agents of EPS Environmental to enter upon the Property to provide the services previously scated.

Signature: Date: 18 007 01

Print Full Name: CHEISTONER Title: VP

Project Number 3899-1001

proposery constact: Jay Winkter VP Operations
Tricon Industries
6 630/964 2330



environmental services, inc.

# PHASE II LIMITED SUBSURFACE INVESTIGATION

2325 Wisconsin Street Downers Grove, Illinois

Prepared For:

American National Bank & Trust Company of Chicago 120 South LaSalle Street, Mail Code IL1-1201 Chicago, Illinois 60603

Prepared By:

EPS Environmental Services, Inc. 7237 West Devon Avenue Chicago, Illinois 60631

> Nicholas J. Quzzone F.E. Senior Project Engineer

> > Reviewed By:

Peter N. Partipilo, C.H.M.M. Senior Environmental Specialist

Project Number:

3936-1101

December 12, 2001



## TABLE OF CONTENTS

1.0		RAL	1
	1.1 1.2 1.3	Authorization Background Information. Purpose	1
2.0	SAMP	LING PROCEDURE	1
	2.1 2.2	Field Activities  Field Observations	
3.0	PHYS	ICAL SETTING	3
	3.1 3.2 3.3	Topography Soils Geologic Profile	3
4.0	LABO	RATORY ANALYSES	4
	4.1 4.2 4.3	Analytical Program  Evaluation of Analytical Results  Analytical Results	4
5.0	CONC	CLUSIONS	5
6.0	WARI	RANTY AND LIMITATION OF LIABILITY	6
	6.1 6.2	Confidentiality  Reliance on Phase II Limited Subsurface Investigation and Report	

## **FIGURE**

## Figure 1 - Boring Location Map

## **APPENDICES**

Appendix A - Geologic Boring Logs Appendix B - Chain of Custody Record and Laboratory Reports Appendix C - Comparison Table



#### 1.0 GENERAL

This Report presents the methodology, findings and conclusions of the Phase II Limited Subsurface Investigation (Subsurface Investigation) conducted at 2325 Wisconsin Street, Downers Grove, Illinois (the Property).

#### 1.1 Authorization

Authorization to perform this Subsurface Investigation was given by acceptance of EPS Environmental Services, Inc. (EPS Environmental) proposal number 3936-1101 by American National Bank & Trust Company of Chicago (Client).

## 1.2 Background Information

A Phase I Environmental Property Assessment (Phase 1) conducted by EPS Environmental dated November 1, 2001 (LPS Environmental Project #3899-1001), identified the following environmental concerns; 1) the Property may have been negatively impacted by current and/or historical degreasing and metal plating operations; and 2) a potential for predominant contaminants of concern associated with hazardous substances/petroleum to have migrated onto the Property from underground storage tanks (USTs) and/or historical manufacturing operations located on the west adjacent site

#### 1.3 Purpose

The purpose of the Subsurface Investigation was to determine if predominant contaminants of concern associated with current/historical degreasing and metal plating operations had negatively impacted Property soil/groundwater, and to determine if hazardous substances and/or petroleum typically used in machining operations had migrated onto the Property from the west adjacent site.

#### 2.0 SAMPLING PROCEDURE

Soil borings were conducted on November 29, 2001 under the direction and supervision of Mr. Nicholas J. Cuzzone, P.E., Senior Project Engineer for EPS Environmental. Four soil borings (GP-1, GP-2, HB-1 and HB-2) were conducted to address the following areas of concern (AOCs) on the Property:

#### AOC-1/ West adjacent site:

Two soil borings (GP-1 and GP-2) were conducted along the west Property border.



### AOC-2/ Former plating area:

One soil boring (HB-1) was conducted inside the Property building where plating operations were formerly conducted.

## AOC-3/ Vapor degreaser:

One soil boring (HB-2) was conducted near a vapor degreaser located in the current plating area in the Property building.

The soil boring locations are depicted on Figure 1 - Boring Location Map following the text of this Report.

#### 2.1 Field Activities

Soil borings GP-1 and GP-2 were conducted following Americal Society for Testing and Materials (ASTM)-recommended practices for continuous thin wall probe sampling. A truck-mounted, hydraulically-powered percussion/probing device (Geoprobe®) was used to advance a two-inch diameter steel drive point to the top of the desired sampling interval. Soil samples were collected in 48-inch intervals by advancing two-inch diameter steel thin-wall probe samplers. A Bosch® jackhammer with Geoprobe® equipment was used to advance a 1.25-inch diameter steel drive point to the top of the desired sampling interval for borings HB-1 and HB-2 (located in areas inaccessible to the Geoprobe®). Soil samples from these borings were collected in 24-inch intervals by advancing two-inch diameter steel thin-wall probe samplers. Samplers were attached to the leading end of extension probe rods, and driven downward until desired target depths were reached. After the desired sampling interval was obtained, the sampler was extracted, opened and the samples were collected.

The borings were advanced six to 16 feet below ground surface (bgs). Three to seven soil samples were collected from each boring. Triplicate soil samples were collected from each sampling interval. One of the triplicate samples was placed into an air-tight plastic bag for field screening, the second sample was placed into a glass sample jar and sealed with a Teflon-lined plastic lid, allowing no head space, and the third sample was placed into pre-weighed 40-ml glass vials and preserved with methanol or sodium bisulfite for possible laboratory analysis.

All soil samples were examined for visual signs of petroleum hydrocarbon contamination and for the presence of unusual odors. Soil samples in airtight plastic bags were allowed to equilibrate to 70° Fahrenheit for approximately 10 minutes. Headspace air in each sample bag was then screened with a RAE photo-ionization detector (PID) and the screening results were recorded on Geological Boring Logs (Appendix A). The PID records total concentrations of organic vapors; however, the



instrument does not differentiate between types of organic vapors and is inconclusive in identifying specific contaminants.

All downhole sampling equipment was cleaned with water and non-alkaline soap between each sampling event. This procedure was used to minimize the possibility of cross contamination. After sampling was complete, all boreholes were properly abandoned to grade with hydrated bentonite pellets and asphalt or concrete patch.

#### 2.2 Field Observations

PID screening results ranged from 0.6 to 2,000 parts per million (ppm). No visual or olfactory signs of petroleum hydrocarbon or solvent contamination were noted in any soil samples obtained from the borings. PID screening results are included on the Geological Boring Logs (Appendix A).

#### 3.0 PHYSICAL SETTING

## 3.1 Topography

According to the Wheaton Quadrangle map, the general topography of the area displays an approximate five-foot decrease in elevation within ¼ mile northwest of the Property.

#### 3.2 Soils

According to ISGS Circular #460, the Property is located on the Mackinaw Member of Henry Formation. This Pleistocene Age system consists of sand and gravel, generally well-sorted and evenly bedded; deposits in valleys; mostly glacial outwash in terraces, which are remnants of valley trains, and includes similar deposits in glacial sluiceways.

Based on ISGS Circular #532, Potential for Contamination of Shallow Aquifers from Land Burial of Municipal Waste, the Property is located within the rating area C1. The rating denotes the capacities of earth material to accept, transmit, restrict or remove contaminants from waste effluent. In general, a C1 rating area contains permeable bedrock within 20 to 50 feet of the surface, overlain by till or other fine-grained material.

## 3.3 Geologic Profile

Based on borings conducted, the geologic profile of the Property consists of one to two feet of sand and gravel fill material, underlain by clay or silty clay to the maximum boring depth of 16 feet bgs. A wet gravelly clay layer was encountered in boring GP-1 approximately nine feet bgs. The geological profile of the native soil encountered appears to be consistent with ISGS Circular #532.



#### 4.0 LABORATORY ANALYSES

### 4.1 Analytical Program

Based on field-screening results and observations, three representative soil samples were submitted for laboratory analysis. Soil samples submitted for analysis were obtained as previously described, chilled and transported under chain of custody to Great Lakes Analytical of Buffalo Grove, Illinois. One soil sample from AOC-1 (GP-1/9') was analyzed for volatile organic compounds (VOCs), Resource Conservation and Recovery Act (RCRA) metals and polynuclear aromatic hydrocarbons (PNAs), predominant contaminants associated with manufacturing processes. One soil sample from each boring in AOC-2 (HB-1/3'-4') and AOC-3 (HB-2/1'-2') was analyzed for VOCs, pH, cyanide and total priority pollutant metals, predominant contaminants associated with degreasing and plating operations. All analyses were performed in accordance with SW-846, *Test Methods for Evaluating Solid Waste*, using appropriate USEPA methodology. See Appendix B for Chain of Custody Record.

## 4.2 Evaluation of Laboratory Results

To assess potential detrimental environmental impacts, the Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) Tier 1 soil remediation objective values (SROs) were used as a guideline for qualifying the concerns associated with contaminated soil/groundwater. SROs are numerical concentration goals for contaminated soil. Tier 1 SROs are further separated into two objectives dependent on intended land use (either residential or commercial/industrial). The TACO remediation objectives apply to sites where the IEPA has requested or forced remedial actions, or to sites where voluntary cleanups have been initiated under IEPA supervision.

To apply TACO Tier 1 SROs, three exposure routes must be addressed: ingestion, inhalation, and potential to contaminate groundwater. The ingestion exposure route applies to contaminant concentrations above TACO Tier 1 SROs within the first three feet below the land surface. The inhalation exposure route applies to contaminant concentrations above TACO Tier 1 SROs within the first ten feet below land surface. The potential to contaminate groundwater is further separated into two objectives dependent on Class I or Class II groundwater designation. The IEPA generally will take a more conservative approach by assuming Class I groundwater to be present, unless otherwise documented. Based on review of ISGS data and soil borings conducted on the Property, it is the opinion of this firm groundwater underlying the Property would be classified as Class II.

#### 4.3 Analytical Results

Analyses conducted on the representative sample from AOC-1 (GP-1/9') identified varying concentrations of various RCRA metals above laboratory detection limits. No VOCs or PNA compounds were identified above laboratory detection limits in soil sample GP-1/9'.



Analyses conducted on the representative samples from AOC-2 (HB-1/3'-4') and AOC-3 (HB-2/1'-2') identified varying concentrations of various priority pollutants metals and VOCs (cis-1,2-dichloroethe and/or tetrachloroethene) above laboratory detection limits.

Refer to Appendix B for Laboratory Report, Chain of Custody and comparison table in Appendix C.

#### 5.0 CONCLUSIONS

The purpose of the Subsurface Investigation was to determine if predominant contaminants of concern associated with current/historical degreesing and metal plating operations had negatively impacted Property soil/groundwater and to determine if hazardous substances and/or petroleum typically used in machining operations had migrated onto the Property from the west adjacent site.

Four soil borings were conducted to address the following areas of concern (AOCs) on the Property:

### AOC-1/ West adjacent site:

Two soil borings (GP-1 and GP-2) were conducted along the west Property border. No visual or olfactory signs of petroleum hydrocarbon or solvent contamination were noted in any soil samples obtained from the borings. One representative soil sample (GP-1/9') was analyzed for volatile organic compounds (VOCs), Resource Conservation and Recovery Act (RCRA) metals and polynuclear aromatic hydrocarbons (PNAs), predominant contaminants associated with manufacturing processes. Analyses conducted on the representative sample from AOC-1 identified varying concentrations of various RCRA metals above laboratory detection limits. The concentrations of metals were below Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) Tier 1 soil remediation objective values (SROs) for residential land use (the most stringent SROs), with the exception of arsenic. The concentration of arsenic exceeded the Tier 1 ingestion SRO. According to TACO Appendix A, Table G (Concentrations of Inorganic Chemicals in Background Soils), the arsenic concentration detected is within the range found throughout metropolitan areas. As such, it is the opinion of this firm that the arsenic concentration is considered background and not associated with the west adjacent site.

No VOCs or PNA compounds were identified above laboratory detection limits in the analyzed soil sample from AOC-1. Therefore no Tier 1 SROs were exceeded.

Based on results of the Limited Subsurface Investigation, no further investigation is recommended in AOC-1.



## AOC-2/ Former plating area:

One soil boring (HB-1) was conducted inside the Property building where plating operations were formerly conducted. No visual or olfactory signs of contamination were noted in any soil samples obtained from the boring. One representative soil sample (HB-1/3'-4') was analyzed for VOCs, pH, cyanide and total priority pollutant metals (metals), predominant contaminants associated with plating and degreasing operations. Varying concentrations of various metals and one VOC (tetrachloroethene) were identified above laboratory detection limits in the representative soil sample. No cyanide was identified above laboratory detection limits in the analyzed soil sample. The concentration of metals and tetrachloroethene were below Tier 1 SROs for residential land use and Class II groundwater. The pH of the analyzed soil sample was within the normal range for soils in the area. It should be noted, the laboratory detection limit for arsenic (2.74 mg/kg) exceeded the Tier 1 ingestion SRO. However, as previously stated, should arsenic be present in sample HB-1 3'-4' above the ingestion SRO, it is the opinion of this firm that the arsenic concentration is considered background and not associated with historical operations on the Property.

Based on results of the Limited Subsurface Investigation, no further investigation is recommended in AOC-2.

#### AOC-3/ Vapor degreaser:

One soil boring (HB-2) was conducted near a vapor degreaser located in the current plating area. No visual or olfactory signs of solvent contamination were noted in any soil samples obtained from the boring. One representative soil sample (HB-2/1'-2') was analyzed for VOCs, pH, cyanide and metals, predominant contaminants associated with degreasing and plating operations. Varying concentrations of various metals and two VOCs (cis-1,2-dichloroethene and tetrachloroethene) were identified above laboratory detection limits in the representative soil sample. No cyanide was identified above laboratory detection limits in the analyzed soil sample. The concentration of metals and tetrachloroethene were below Tier 1 SROs for residential land use and Class II groundwater. The pH of the analyzed soil sample was within the normal range for soils in the area. It should be noted, the laboratory detection limit for arsenic (2.74 mg/kg) exceeded the Tier 1 ingestion SRO. However, as previously stated, should arsenic be present in sample HB-2/1'-2' above the ingestion SRO, it is the opinion of this firm that the arsenic concentration is considered background and not associated with historical operations on the Property.

Based on results of the Limited Subsurface Investigation, no further investigation is recommended in AOC-3.

#### 6.0 WARRANTY AND LIMITATION OF LIABILITY

EPS Environmental's Limited Subsurface Investigation was of limited scope. The Limited Subsurface Investigation was structured to screen for the presence of soil contamination in the area



in which the borings were conducted, and was not intended to be an all-inclusive search for soil contamination across the subject Property. However, the Limited Subsurface Investigation can provide an indication of the presence or absence of those contaminants sampled and analyzed for at the sample locations, at the time the samples were obtained in the sampled media.

EPS Environmental warrants that the findings and conclusions contained in this Report have been promulgated in accordance with generally accepted environmental engineering methods. These environmental methods have been developed to provide the Client with information regarding apparent indications of existing or potential environmental conditions relating to the soils and are limited to the conditions observed at the time that the Limited Subsurface Investigation was conducted. This Report is also limited to the information available at the time it was prepared. There is a distinct possibility that conditions may exist at the subject Property which were not apparent during the Limited Subsurface Investigation. EPS Environmental makes no other warranties, expressed or implied.

## 6.1 Confidentiality

EPS Environmental shall hold all field observations, borings, logs, analysis, laboratory reports and other reports in strict confidence and shall not disclose these items except to the Client or except as ordered by any state or federal agency or court of law. In the event that EPS Environmental is ordered by a state or federal agency or court of law to make any such disclosures, the shall hold EPS Environmental harmless from liability for any and all damages that the Client may suffer due to EPS Environmental's disclosure. In addition, the Client shall indennify EPS Environmental from any and all damages EPS Environmental may suffer due to any action which results in an order that EPS Environmental make a disclosure.

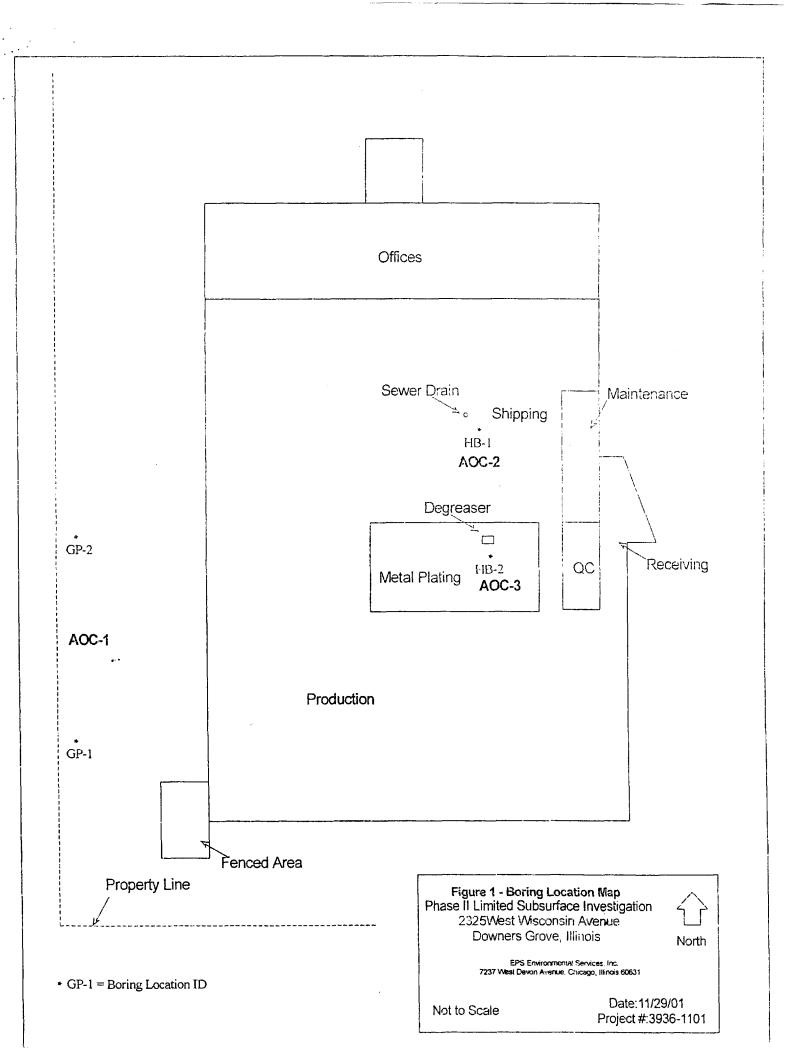
#### 6.2 Reliance on Limited Subsurface Investigation and Report

The Limited Subsurface Investigation and Report has been conducted exclusively for the Client and it is intended that only those parties will rely on the Report. The Limited Subsurface Investigation and Report will be solely for the benefit of the Client and may not be relied upon by other parties.



## FIGURE 1

Boring Location Map





## APPENDIX A

Geologic Boring Logs

## EPS ENVIRONMENTAL SERVICES, INC. **GEOLOGIC BORING LOG**

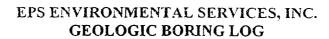
Project Address: 2325 West Wisconsin Avenue, Downers Grove Project # 3936-1101

Engineer/Geologist: Nicholas J. Cuzzone

Weather Condition: Dry X Wet Snow Temp 40's

Boring # GP-1 Date: 11/29/01 Time: 0840 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPTH	SAMPLE	PID- PPM	ODOR
Asphalt Gravel Fill Material	-			
	-   -2			
	-		4.3	None
	1			
CLAY, Silty, Brown, Trace small gravel, Dry	-			
	-6		6.8	None
	-			
	-8		4.8	None
	_   -	GP-1/9'	15.3	None
Wet, gravelly clay	-10		15.5	None
	-			
••	-12		9.0	None
CLAY, Gray, Dry	-			
	-14		3.6	None
	-			
	-16		4.1	None
Total Depth: 16 feet	-			
Rig: Truck-mounted Geoprobe Sampler Type: Clear plastic sleeves	-18			



Project Address: 2325 West Wisconsin Avenue, Downers Grove Project # 3936-1101

Engineer/Geologist: Nicholas J. Cuzzone
Weather Condition: Dry X Wet Snow Temp 40's

Boring # GP-2 Date: 11/29/01 Time: 0920840 Location: See Boring Location Map

DEPTH	SAMPLE	PID- PPM	ODOR
-			
2			
-		0.6	None
-4			
-			
-6		1.4	None
-			
-8	GP-2/8'	3.0	None
-			None
_   -10		1.9	
-			
-12		2.0	None
-			
-14		2.2	None
-			
		1.8	None
-18			
	2 4 6 8 10 12 14	2 -4 -6 -8 -10 -12 -1416161616 -	2

## EPS ENVIRONMENTAL SERVICES, INC. **GEOLOGIC BORING LOG**

Project Address: 2325 West Wisconsin Avenue, Downers Grove Project # 3936-1101

Engineer/Geologist: Nicholas J. Cuzzone

Weather Condition: Dry X Wet Snow Temp 40's

Boring # HB-1 Date: 11/29/01 Time: 1015 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPT H	SAMPLE	PID- PPM	ODOR
Concrete 6"	_			
Gravel Fill Material	-2		650	None
CLAY, Silty. Brown, Dry	-4	HB-1/3*-4*	2000	None
CLAY, Gray, Dry	-			
	-6		320	None
Total Depth: 6 feet	-			
Rig: Bosch hand held hanuner	-8			
Sampler Type: Clear plastic sleeves	-			
	-10			
	-			
<b>4.</b> •	-12			
	-			
	-14			
	-			
	-16			
	-			
	-18			

## EPS ENVIRONMENTAL SERVICES, INC. **GEOLOGIC BORING LOG**

Project Address: 2325 West Wisconsin Avenue, Downers Grove Project # 3936-1101

Engineer/Geologist: Nicholas J. Cuzzone

Weather Condition: Dry X Wet Snow Temp 40's

Boring # HB-2 Date: 11/29/01 Time: 1100 Location: See Boring Location Map

DESCRIPTION OF SOILS	DEPT H	SAMPLE	PID- PPM	ODOR
Concrete 6"	_			
Gravel and Sand Fill Material	-2	HB-2/1`-2'	136.2	None
CLAY, Silty, Brown, Dry	-4		14.1	None
	-			
CLAY, Gray, Dry	-6		3.0	None
	_   -		2.5	None
Total Depth: 7 feet	-8		2.5	none
Rig: Bosch hand held hammer	-			
Sampler Type: Clear plastic sleeves	-10			
	-			
gi e	-12			
	-			
	-14			
	-			
	-16			
	-			
	-18			
		<u> </u>		



## APPENDIX B

Chain of Custody Record and Laboratory Reports





1680 Busch Parkway Bulfalo Grove, IL 60039-4505 (347) 808-7766 FAK (847) 808-7772 140 E. Ryan Road Oak Creek, WI 53154 (414) 570-9460 FAX (414) 570-9461

Client: EPS EUVIRON MELTA	a Sepe	Bill To:			svi	Æ												′ < <b>24</b> HRS.
Address: 777713 DAMA	الهر سا	Addres	c.									ſ	S - TAT i				ATE RESULTS	NEEDED:
Chicago il 6	0631											TEMP	ERATUR	RE UP	ON RE	CEIPT:	Oni	Q.
Report to: AICK CUZZON FAX #: 7/3  Project: 2325 6. WISCOUSIN 2936  Sampler: AICK CUZZONE 3936	)792369 )792369	State & Program	n:				one #. x #:	()				Delive □ S		ackag	e Need	ded: Air	Bill No.	
Project: 2325 W. WISCOUSIN CO	need		/	# of Preserv	Bottle		1 8 / 8 / 8 / 8 / 8 / 8 / 8 / 8 / 8 / 8	/ /	′ /	/2			$\sim$	/ /		/ SAMPLE SONTROL /	/	
Sampler: AICK CUZZONE 3936	-1101/ 2	/ K / 4.		77	7 /		-/ §	2	\.\ <b>y</b>	/ <u>t</u>	E 20/2		<i>]</i> /		<i></i>			
PO/Quote #: _ C をのい FIELD ID, LOCATION	101	Sample Sample	T					/ / / / / / / / / / / / / / / / / / /			City Color	I)		/ /			LABOR ID NU	RATORY MBER
1 6 P-1 C 9"	11/29/01	3	12			3.A	. / .									BI	1141	05-01
2 GP-2 @ 8'	(	(	10			1					L	/					·	702
3 1 1 B-1 P 2 4 PID:			X			$\rangle$	1	/ /	/									03
4 HB-ZC /2-Z*	1/21/01	3	12			3-1-		1	V									704
5]																		<u>-</u> -1
PID:						-						-				<del> </del>		
PID:	1																	
7]																		
PID: 8				+		-	-						-			ļ <u>.</u>		
P!D:																		
9															1			
PID:				+							_							
10 . PID:																		Ì
	RECEIVED /	2017	1/	方が	RELI	NOUIS	HED			por		3 C G	RESELV	ED -	5	00	, TI	30.01
	RECEIVED	with the same of t	· · · · · · · · · · · · · · · · · · ·		RELI	NQUIS	HED	<u> </u>	·			i	RECEIV	ED.		32	)	
COMMENTS:		<del>.</del>			<del></del>		······································								<del></del> -			
				<del></del>								<del></del>			PAG	:: ::::::::::::::::::::::::::::::		OF

07 December 2001

Nick Cuzzone EPS Environmental Services, Inc. 7237 W. Devon Avenue Chicago, IL 60631 RE: 2325 W. Wisconsin Downers Grove

Enclosed are the results of analyses for samples received by the laboratory on 11/30/01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andy Johnson



Email: info@glalabs com (847) 808-7766 FAX (947) 808-7772

EPS Environmental Services, Inc.

Project: 2325 W. Wisconsin Downers Grove

7237 W. Devon Avenue

Project Number: 3936-1101

Reported:

Chicago IL, 60631

Project Manager: Nick Cuzzone

12/07/01 16:41

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-1@9	B111405-01	Soil	11/29/01 00:00	11/30/01 09:45
GP-2@8	B111405-02	Soil	11/29/01 00:00	11/30/01 09:45
HB-1@3-4	B111405-03	Soil	11/29/01 00:00	11/30/01 09:45
HB-2@1-2	B111405-04	Soil	11/29/01 00:00	11/30/01 09:45

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631

pН

Project: 2325 W. Wisconsin Downers Grove

1110515

11/30/01

11/30/01

Project Number: 3936-1101 Project Manager: Nick Cuzzone Reported: 12/07/01 16:41

EPA 9045B

## General Chemistry Great Lakes Analytical

#### Reporting Result Limit Units Dilution Batch Method Analyte Prepared Analyzed Notes Sampled: 11/29/01 00:00 Received: 11/30/01 09:45 HB-1@3-4 (B111405-03) Soil 0.274 mg/kg dry ND Cyanide (total) 1120105 12/06/01 12/06/01 EPA 9012A pН 9.66 pH Units 1110515 11/30/01 11/30/01 EPA 9045B HB-2@1-2 (B111405-04) Soil Sampled: 11/29/01 00:00 Received: 11/30/01 09:45 ND Cyanide (total) 0.278 mg/kg dry 1120105 12/06/01 12/06/01 EPA 9012A

pH Units

9.04

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-77766 FAX (847) 808-7772

EPS Environmental Services, Inc.

Project: 2325 W. Wisconsin Downers Grove

7237 W. Devon Avenue

Chicago IL, 60631

Project Number: 3936-1101 Project Manager: Nick Cuzzone Reported: 12/07/01 16:41

## Priority Pollutant Metals by EPA 6000/7000 Series Methods

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-1@3-4 (B111405-03) Soil	Sampled: 11/29/01 00:00	Received	: 11/30/01	09:45					
Antimony	ND	5.48	mg/kg dry	1	1120088	12/06/01	12/06/01	EPA 6010B	
Arsenic	· ND	2.74	"	**	"	"	**	p	
Becyllina	ND	0.548	,,	,,	ŧı	D	97	n	
Cadmium	ND	0.548	11	п	10	"	II .	"	
Chromia.a	12.4	0.548	**	11	**	**	н	"	
Copper	15.3	2.74	n	n	ч	"	n	u	
Lead	12.4	1.10		**	R	D	**	а	
Nickel	15.9	2.74	**	1*	**	ti .	11	"	
Selenium	ND	2.74	11	п	· ·		u		
Silver	ND	2.74	**	11	n	4	**	p	
Thallium	5.12	4.38	ш	*	**	**	. н	u	
Zinc	53.7	27.4	**	н	P		"		
HB-2@1-2 (B111405-04) Soil	Sampled: 11/29/01 00:00	Received	I: 11/30/01	09:45					
Antimony	ND	5.57	mg/kg dry	ı	1120088	12/06/01	12/06/01	EPA 6010B	
Arsenic	ND	2.78	•	**	n	u	**	"	
Beryllium	ND	0.557	**	*1	ü	••	**	n	
Cadmium	ND	0.557	Ħ	n n	**	11	15	H	
Chromium	15.5	0.557	*	**	**	11	"	**	
Copper	14.5	2.78	•	**	"	4	**		
Lead	10.5	1.11		"	*	11	"	11	
Nickel	30.6	2.78	H	н	"	u	"	**	
Selenium	ND	2.78	u	n	н	н	11		
Silver	ND	2.78	•	**	"		Nt.	**	
Thallium	5.75	4.45	n	,,	"	**	n	**	
Zine	52.2	27.8	Ħ	**	**	11		n	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue

Chicago IL, 60631

Project Number: 3936-1101

Project: 2325 W. Wisconsin Downers Grove

Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Total Metals by EPA 6000/7000 Series Methods

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1@9 (B111405-01) Soil	Sampled: 11/29/01 00:00	Received:	11/30/01 0	9:45					
Mercury	ND	0.0474	mg/kg dry	1	1120084	12/06/01	12/06/01	EPA 7471A	G2
Arsenic	3.79	2.97	**	"	1120088	12/06/01	12/06/01	EPA 6010B	
Barium	41.0	29.7	**	11	r	**	n	4	
Cadmium	ND	0.593	**	"	n	••	**	**	
Chromium	11.6	0.593	n	"	10	+1	"	"	
Lead	9.90	1.19	**		**	**		0	
Selenium	2.97	2.97	н	и	n	**	н	**	
Silver	N'D	2.97	**	"	11	,,	n	н	
HB-1@3-4 (B111405-03) Soil	Sampled: 11/29/01 00:00	Received	<b>i</b> : 11/30/01	09:45					
Mercury	ND	0.0438	mg/kg dry	ī	1120084	12/06/01	12/06/01	EPA 7471A	G2
HB-2@1-2 (B111405-04) Soil	Sampled: 11/29/01 00:00	Received	l: 11/30/01	09:45					
Mercury	ND	0.0445	mg/kg dry	1	1120084	12/06/01	12/06/01	EPA 7471A	G2

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

Project: 2325 W. Wisconsin Downers Grove

7237 W. Devon Avenue Chicago IL, 60631 Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B

## Great Lakes Analytical

		Reporting	<del></del>		···		<del></del>		
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1@9 (B111405-01) Soil	Sampled: 11/29/01 00:00	Received:	11/30/01 0	9:45					G4,G19
Acetone	ND		ug/kg dry	1	1120056	12/04/01	12/06/01	5035/8260B	
Benzene	· ND	5.93	17	н	"	**	n	п	
Bromodichloromethane	ND	5.93	н	11	n	n	n	п	
Bromoform	ND	5.93	11	11	**	*	**	**	
Bromomethane	ND	5.93	11		н	ıı	**	**	
2-Butanone	ND	11.9	n	*1	ŧı	**	11	**	
Carbon disulfide	ND	5.93	**	**	**	P	"	"	
Carbon tetrachloride	ND	5.93	**	0	11	**	•	н	
Chlorobenzene	СИ	5.93	**		n	u	**	n .	
Chlorodibromomethane	ND	5.93	,,	**	**	"	11	41	
Chloroethane	ND	5.93	н	**	"	"	. "	4	
Chloroform	ND	5.93	**	"	11		"	**	
Chloromethane	ND	5.93	"	,,	"	,,	4	"	
1,1-Dichloroethane	ND	5.93	. **	•	"	•	••	"	
1,2-Dichloroethane	ND	5.93	41	n	**	"	**	Ħ	
1,1-Dichloroethene	ND	5.93	**	n	**	н		11	
cis-1,2-Dichloroethene	ND	5.93	, n	п	**	*	11	11	
trans-1,2-Dichloroethene	ND	5.93	**	e			ř•	*	
1,2-Dichloropropane	ND	5.93	**	•	n	н	**	n	
eis-1,3-Dichloropropene	ND	5.93	**	n	**	n	n	n	
trans-1,3-Dichloropropene	ND	5.93		.,	н	п	**	h	
Ethylbenzene	ND	5.93	n	n		**	**	ti .	
2-Hexanone	ND	11.9		п	ė	,	**	le .	
Methylene chloride	ND	5.93	*	**		•	**	**	
4-Methyl-2-pentanone	ND	11.9		н		**	**	**	
Styrene	ND	5.93	н	**	**		**	**	
1,1,2,2-Tetrachloroethane	ND	5.93		н		н			
Tetrachloroethene	ND	5.93	,,	*	*	n		**	
Toluene	ND	5.93		••	**		н	n	
1.1.1-Trichloroethane	ND	5.93	ęı .	11		н	n	н	
1,1,2-Trichloroethane	ND ND	5.93	,,	n	17		н	11	
Trichloroethene	ND ND	5.93		,,	,,	7	p	**	
					н	,	,,	11	
Trichlorofluoromethane	ND ND	5.93 11.9		" H				 H	
Vinyl acetate					" **	n "	•		
Vinyl chloride	ND	5.93		,,		" H	,		
Total Xylenes	ND ND	5.93			"				
Surrogate: Dibromofluorome		113 %		?-134	"	" "	"	"	
Surrogate: 1,2-Dichloroetha	ne-a4	125 %		3-145		" "	"	"	
Surrogate: Toluene-d8		99.3 %		-121			"	"	
Surrogate: 4-Bromofluorobe	nzene	81.3 %	76.8	3-113	"	"	"	*	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue

Chicago 1L, 60631

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-1@3-4 (B111405-03) Soil	Sampled: 11/29/01 00:00	Received	l: 11/30/01	09:45					G4,G19
Acetone	ND	27.4	ug/kg dry	1	1120056	12/04/01	12/06/01	5035/8260B	
Benzene	ND	5.48	11	"	n	11	п	n	
Bromodichloromethane	ND	5.43	ri	10	"	n	**	n.	
Bromoform	ND	5.48	ii	**	n	11	11		
Bromomethane	ND	5.48	41	**	"	**	**	"	
2-Butanone	ND	11.0	"	h	#	**	**	17	
Carbon disulfide	ND	5.48	"		"	**	*1	**	
Carbon tetrachloride	ND	5.48	**	"	**	tr	11	D	
Chlorobenzene	ND	5.48	n	ш		11	•	11	
Chlorodibromomethane	ND	5.48	0	*1	"	**		p	
Chloroethane	ND	5.48		n	"	H		"	
Chloroform	ND	5.48	и	**	и	"	**	*	
Chloromethane	ND	5.48	**	•	n	11	n	**	
1,1-Dichloroethane	ND	5.48	,	16	n	**	н	и	
1.2-Dichloroethane	ND	5.48	14	$\nu$	**	*		n	
1,1-Dichloroethene	ND	5.48	•	"			**	"	
cis-1,2-Dichloroethene	ND	5.48		"	**		,,		
trans-1,2-Dichloroethene	ND	5.48	11	n	n	"	n	**	
1.2-Dichloropropane	ND	5.48		**	,,	"		**	
cis-1,3-Dichloropropene	ND	5.48	4	n	*1			**	
trans-1,3-Dichloropropene	ND	5.48	н	***	n	11		*	
Ethylbenzene	ND	5.48	ii	11	.,	"	D	,,	
2-Hexanone	ND	11.0	н	11	н	11			
Methylene chloride	ND	5.48	H	ŧı	"	11		**	
4-Methyl-2-pentanone	ND	11.0	n	**	**	11	**	*1	
Styrene	ND	5.48	11		н		**	**	
1,1,2,2-Tetrachloroethane	ND	5.48	Ħ	,	h	17	**	11	
Tetrachloroethene	134	5.48	**	Ħ	.,	,,		11	
Toluene	ND	5.48	,	11	11	**	**	**	
1,1,1-Trichloroethane	ND	5.48		11	*	**	**	**	
1,1,2-Trichloroethane	ND	5.48	н	D	,,	11		w	
Trichloroethene	ND	5.48			"	"		**	
Trichlorofluoromethane	ND	5.48		*	н			H	
Vinyl acetate	ND ND	3.48 I1.0		**		"	11		
	ND	5.48		**	11	"	11	**	
Vinyl chloride	ND UND	5.48		"		"	,,		
Total Xylenes									
Surrogate: Dibromofluoromet		107 %		2-134	"	"	и	"	
Surrogate: 1,2-Dichloroethand	e-a4	128 %		3-145	,,	"	,,	,,	
Surrogate: Toluene-d8		107 %		-121	"	"	,	"	
Surrogate: 4-Bromofluoroben	zene	96.0 %	76.8	8-113	"	"	n	"	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 008-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
HB-2@1-2 (B111405-04) Soil	Sampled: 11/29/01 00:00	Received	: 11/30/01	09:45					G4,G19
Acetone	ND	27.8	ug/kg diy	ì	1120056	12/04/01	12/06/01	5035/8260B	
Benzene	ND	5.57	•	"	**	**	"	n	
Bromodichlersmethane	ND	5.57	11	"		n	11	11	
Bromoform	ИD	5.57	•	r	n n	n	**	"	
Bromomethane	ND	5.57	"	n	н	н .	**	н	
2-Butanone	ND	11.1	11	0	••	**	n	Ħ	
Carbon disulfide	ND	5.57		"	"	u	н	"	
Carbon tetrachloride	ND	5.57	н	0	н	n n	"	н	
Chlorobenzene	ND	5.57	ч	**	4	"	n	n	
Chlorodibromomethane	ИD	5.57	ш	0		н	11	"	
Chlorocthane	ND	5.57	**	"	n	"	. "	**	
Chloroform	ND	5.57	11	**	*1	u	••	"	
Chloromethane	ND	5.57	**		*1	er e	+1	н	
1,1-Dichloroethane	ND	5.57	27	n n	"	11	1+		
1,2-Dichloroethane	ND	5.57	"		••	•		**	
1,1-Dichloroethene	ND	5.57	11	**	••	r	H	"	
cis-1,2-Dichloroethene	14.1	5.57		"	11	11	"	**	
trans-1,2-Dichloroethene	ND	5.57	*	**	14	11	**	**	
1,2-Dichloropropane	ND	5.57	n	**		**	**	*1	
cis-1,3-Dichloropropene	СИ	5.57	**	*1	*1	,,	**		
trans-1,3-Dichloropropene	ND	5.57	•	.,			**	n	
Ethylbenzene	ND	5.57	n	n	**	**	•		
2-Hexanone	ND	11.1	*	20	**		**	**	
Mothylene chloride	ND	5.57			"	n	11	**	
4-Methyl-2-pentanone	ND	11.1	*					•	
Styrene	ND	5.57	Ħ	••	**	**	n	*	
1,1,2,2-Terraculoroethane	ND	5.57	**	**	,,	**	11		
Tetrachloroethene	148	5.57	π	"		**	"	**	
Toluene	ND	5.57	n	i,		**		,,	
1,1,1-Trichloroethane	ND	5.57			,,	11	•	**	
1,1,2-Trichloroethane	ND	5.57		11	•	н		н	
Trichloroethene	ND	5.57		11		,,	н	н	
Trichlorofluoromethane	ND	5.57			•	**		n	
	ND	11.1	н			,,	**		
Vinyl acetate	ND ND	5.57		n	,,		. ,	4	
Vinyl chloride				*		**	**		
Total Xylenes	ND	5.57							
Surrogate: Dibromofluorometh		108 %		2-134	" "	"	"		
Surrogate: 1,2-Dichloroethane	?-d4	122 %		3-145	.,	,,	"	"	
Surrogate: Toluene-d8		104 %		-121	,,	"	"	"	
Surrogate: 4-Bromofluorobenz	ene	92.2 %	76.8	8-113	n	75	п	44	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631 Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Polynuclear Aromatic Compounds by EPA Method 8310

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1@9 (B111405-01) Soil	Sampled: 11/29/01 00:00	Received:	11/30/01 0	9:45					G1
Acenaphthene	ND	119	ug/kg dry		1120052	12/04/01	12/06/01	EPA 8310	
Acenaphthylene	ND	237	11	н	H .	n	••	"	
Anthraceae	ИD	119	11	11	P	Ħ	n	II .	
Benz (a) anthracene	ND	59.3	"	n	U	11	**	п	
Benzo (a) pyrene	ND	5.93	**	0	"	n	н		
Benzo (b) fluoranthene	ND	59.3	п	\$F	tt	n	Ð	**	
Benzo (ghi) perylene	ND	119	11	**	14	**	11	11	
Benzo (k) fluoranthene	ND	119	11	н	**	11		**	
Chrysene	ND	119	**	u	n	11	**	"	
Dibenz (a,h) anthracene	ND	5.93	**	•	U	p		n	
Fluoranthene	ND	119	**		*	11	. 11	17	
Fluorene	ND	119	11	"	"	11	**		
Indeno (1,2,3-cd) pyrene	ND	59.3	11	*1	,,	n	•	**	
Naphthalene	ND	119	u	н	".	P .	*	n	
Phenanthrene	ND	119	ti .	**	"	11	H	11	
Pyrene	ND	119	"				н	"	
Surrogate: Carbazole		77.0 %	29-	132	"	"	"	"	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entircty.



Emc... info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631 Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Percent Solids

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP-1@9 (B111405-01) Soil S	Sampled: 11/29/01 00:00 F	Received: 1	1/30/01	09:45					
% Solids	84.3	0.100	%	l	1120002	12/03/01	12/03/01	Balance	
HB-1@3-4 (B111405-03) Soil	Sampled: 11/29/01 00:00	Received:	11/30/0	1 02:45					
% Solids	91.3	0.100	%	i	1120002	12/03/01	12/03/01	Balance	
HB-2@1-2 (B111405-04) Soil	Sampled: 11/29/01 00:00	Received	11/30/0	1 09:45		_			
% Solids	89.8	0.100	%	1	1120002	12/03/01	12/03/01	Balance	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glatabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631 Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone Reported: 12/07/01 16:41

## General Chemistry - Quality Control Great Lakes Analytical

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1110515 - General Prep WC										
.CS (1110515-BS1)				Prepared o	& Analyze	ed: 11/30	/01			
Н	7.00		pH Units	7.00		100	98.6-101.4			
CS Dup (1110515-BSD1)				Prepared o	& Analyże	ed: 11/30	/01			
H	7.01		pH Units	7.00		100	98.6-101.4	0.143	1	
Duplicate (1110515-DUPI)	Som	ce: B1114	05-03	Prepared a	& Analyzo	ed: 11/30	/01			
14	9.66		pH Units		9.66			0.00	1	
Batch 1120105 - General Prep WC			·							
Blank (1120105-BLK1)				Prepared .	& Analyze	ed: 12/06	/01			
Cyanide (total)	ND	0.250	mg/kg wet							
_CS (1120105-BS1)				Prepared .	& Analyz	ed: 12/06	/01			
Cyanide (total)	14.0	0.250	mg/kg wei	12.4		113	56-127			
Matrix Spike (1120105-MS1)	Sou	rce: B1113	97-14	Prepared	& Analyz	ed: 12/06	/01			
Cyanide (total)	12.4	0.250	mg/kg wet	12.2	ND	100	43-154			
Matrix Spike Dup (1120105-MSD1)	Sou	rce: B1113	97-14	Prepared	& Analyz	ed: 12/06	/01 -			
Cyanide (total)	12.3	0.250	mg/kg wet	12.2	ND	99.6	43-154	0.810	15	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 6J8-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

Project: 2325 W. Wisconsin Downers Grove

7237 W. Devon Avenue Chicago IL, 60631 Project Number: 3936-1101 Project Manager: Nick Cuzzone Reported: 12/07/01 16:41

# Priority Pollutant Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120088 - EPA 3050B										
Blank (1120088-BLK1)				Prepared	& Analyze	d: 12/06/	01			
Antimony	ND	5.00	mg/kg wet							
Arsenic	ND	2.50								
Beryllium	ND	0.500	11							
Cadmium	ND	0.500	11							
Chromium	ND	0.500	11							
Copper	ND	2.50	**							
Lead	ND	1.00	n							
Nickel	ND	2.50	r							
Selenium	ND	2.50	*							
Silver	ND	2.50	"							
Thallium	ДИ	4.00	**							
Zinc	ND	25.0	ii.							
LCS (1120088-BS1)				Prepared	& Analyze	ed: 12/06/	01			
Antimony	206	5.00	mg/kg wet	200		103	68.6-124			
Arsenic	112	2.50	11	106		106	86.2-115			
Beryllium	210	0.500	•	200		105	85.7-115			
Cadmium	204	0.500	,	200		102	83.3-110			
Chromium	203	0.500	"	200		102	83.9-110			
Copper	207	2.50	*	200		104	84.6-112			
Lead	210	1.00	**	201		104	81-110			
Nickel	203	2.50	*	200		102	85.2-109			
Scienium	56.4	2.50	n	56.0		101	83.3-116			
Silver	197	2.50	п	200		98.5	10-167			
Thallium	427	4.00	*	400		107	80.4-110			
Zinc	205	25.0		200		102	81.1-121			
Matrix Spike (1120088-MS1)	So	urce: B1113	377-01	Prepared	& Analyz	ed: 12/06/	/O1			
Antimony	158		mg/kg wet	198	ND	79.7	10-114			
Arsenic	94.6	2.50		105	ND	90.1	49.9-109			
Beryllium	183	0.500		198	ND	92.4	47.5-105			
Cadmium	174	0.500		198	ND	87.9	28.2-129			
Chromium	187	0.500		198	14.7	87.0	51.1-99			
Соррег	384	2.50		198	205	90.4	53.1-104			
Lead	189	1.00		199	11.2	89.3	34.7-108			
Nickel	183	2.50		198	6.11	89 3	48.2-100			
Selenium	51.2	2.50		55.4	2.95	87.1	52 7-100			
Silver	178	2.50		198	5.92	86.9	10-135			
Thallium	372	4.00		396	ND	93.0	48.6-101			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago JL, 60631 Project: 2325 W. Wisconsin Downers Grove

Spike

Source

%REC

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

RPD

## Priority Pollutant Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1120088 - EPA 3050B										
Matrix Spike (1120088-MS1)	Sour	ce: B1113	77-01	Prepared	& Analyz	ed: 12/06/	01			
Zinc	420	25.0	mg/kg wet	198	245	88.4	10-159			
Matrix Spike Dup (1120088-MSD1)	Sour	ce: B1113	77-01	Prepared	& Analyzo	ed: 12/06/	′01			
Antimony	155	5.00	mg/kg wet	198	ND	78.2	10-114	1.92	29.9	
Arsenic	93.2	2.50	**	105	ND	8.88	49.9-109	1.49	19.9	
E-cryllium	180	0.500	"	198	ND	90.9	47.5-105	1.65	22	
Cadmium	172	0.500	n.	198	ND	86.9	28.2-129	1.16	21.6	
Chromium	134	0.500	"	198	14.7	85.5	51.1-99	1.62	19.8	
Copper	396	2.50	u	198	205	96.5	53:1-104	3.08	27.8	
Lead	190	1.00	"	199	11.2	89.8	34.7-108	0.528	31.9	
Nickel	179	2.50	н	198	6.11	87.3	48.2-100	2.21	35.2	
Selenium	52.1	2.50	19	55.4	2.95	88.7	52.7-100	1.74	23	
Silver	175	2.50	•	198	5.92	85.4	10-135	1.70	76.2	
Thallium	363	4.00		396	ND	90.7	48.6-101	2.45	24.9	
Zinc	418	25.0	Ħ	198	245	87.4	10-159	0.477	137	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631 Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120084 - EPA 7471A										
Blank (1120084-BLK1)				Prepared a	& Analyz	ed: 12/06/	01			
Mercury	ND	0.0400	mg/kg wet							
LCS (1120084-BS1)				Prepared a	& Analyz	ed: 12/06	01			
Mercury	0.124	0.0400	mg/kg wet	0.120		103	71.9-126			
Matrix Spike (1120084-MS1)	So	urce: B1113	77-01	Prepared	& Analyz	ed: 12/06/	01			
Mercury	0.882	0.400	mg/kg wet	0.120	0.838	36.7	38.3-154			G13
Matrix Spike Dup (1120084-MSD1)	So	urce: B1113	77-01	Prepared	& Analyz	ed: 12/06:	01			
Mercury	0.846		mg/kg wet		0.838	6.67	38:3-154	4.17	9.52	G1:
Batch 1120088 - EPA 3050B			·							
Blank (1120088-BLK1)				Prepared	& Analyz	ed: 12/06	<b>'</b> 01			
Arsenic	ND	2.50	mg/kg wet							
Barium	ND	25.0	н							
Cadmium	ND	0.500	11							
Chromium	ФИ	0.500	*							
Lead	ND	1.00	•							
Selenium	ND	2.50	**							
Silver	ND	2.50	μ							
LCS (1129088-BS1)				Prepared	& Analyz	ed: 12/06	/01			
Arsenic	112	2.50	mg/kg wet	106		106	81.1-121			
Barium	206	25.0	"	200		103	72.9-121			
Cadmium	204	0.500	Ħ	200		102	74.3-118			
Chromium	203	0.500	n	200		102	72.2-121			
Lead	210	1.00		201		104	72.2-121			
Selenium	56.4	2.50	**	56.0		101	73.1-120			
Silver	197	2.50	n	200		98.5	10-155			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirely.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631

Chromium

Solenium

Lead

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Total Metals by EPA 6000/7000 Series Methods - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120088 - EPA 3050B									· · · · · · · · · · · · · · · · · · ·	
Matrix Spike (1120088-MS1)	Sour	ce: B1113	77-01	Prepared	& Analyz	ed: 12/06/	01			
Arsenic	94.6	2.50	mg/kg wet	105	ND	90.1	53.1-117			
Barium	305	25.0	"	198	128	89.4	54.3-111			
Cadmium	174	0.500	"	198	ND	87.9	52.5-108			

198

199

55.4

14.7

11.2

2.95

87.0

89.3

87.1

43.3-115

43.3-115

47.3-113

Silver	178	2.50	**	198	5.92	86.9	10-117			
Matrix Spike Dup (1120088-MSD1)	Sour	ce: B11137	77-01	Prepared	& Analyzo	ed: 12/06	/01			
Arsenic	93.2	2.50	mg/kg wet	105	ND	88.8	53.1-117	1.49	26.7	
Barium	306	25.0	"	198	128	89.9	54.3-111	0.327	28.8	
Cadmium	172	0.500	"	198	ИD	86.9	52.5-108	1.16	24.9	
Chromium	184	0.500	H	198	14.7	85.5	43.3-115	1.62	24.1	
Lead	190	1.00	n	199	11.2	89.8	43.3-115	0.528	24.1	
Selenium	52.1	2.50	**	55.4	2.95	88.7	47.3-113	1.74	25.3	
Silver	175	2.50	"	198	5.92	85.4	10-117	1.70	40.2	

0.500

1.00

2.50

187

139

51.2

Great/Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 633-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control

## Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120056 - EPA 5035B [P/T]				····						
Blank (1120055-BLK1)				Prepared of	& Analyz	ed: 12/04/0	01			
Acetone	ND	25.0	ug/kg wet							
Benzene	ND	5.00	*							
Bromodichloromethane	ND	5.00	**							
Bromoform	ND	5.00	21							
Bromomethane	ND	5.00	н							
2-Butanone	ND	10.0	н							
Carbon disulfide	ND	5.00	**							
Carbon tetrachloride	ND	5.00	•		•					
Chlorobenzene	Diff	5.00	••							
Chlorodibromomethane	ND	5.00	r.							
Chloroethane	ND	5.00	II .							
Chloroform	ND	5.00	11							
Chloromethane	ND	5.00	**							
1,1-Dichloroethane	ND	5.00	**							
1,2-Dichloroethane	ND	5.00	n							
1,1-Dichloroethene	ND	5.00	"							
cis-1,2-Dichloroethene	ND	5.00	**							
trans-1,2-Dichloroethene	ND	5.00								
1,2-Dichloropropane	ND	5.00	Ħ							
cis-1,3-Dichloropropene	ND	5.00	"							
trans-1,3-Dichloropropene	ND	5.00	n							
Ethylbenzene	ND	5.00	**							
2-Hexanone	ND	10.0	<b>D</b> :							
Mediylene obloride	ND	5.00	**							
4-Methyl-2-pentanone	ND	10.0	n							
Shyreno	ND	5.00	•							
1,1,2,2-Tetrachloroethane	ND	5.00	"							
Tetrachloroethene	ND	5.00	"							
Toluene	ND	5.00	•							
1,1,1-Trichloroethane	ND	5.00								
1,1,2-Trichloroethane	ND	5.00								
Trichloroethene	ND	5.00								
Trichlorofluoromethane	ND	5.00								
Vinyl acetate	ND	10.0								
Vinyl chloride	ND	5.00								
Total Xylenes	ND	5.00								
Surrogate: Dibromofluoromethane	49.8		и	50.0		99.6	81.2-134			
Surregate: 1,2-Dichloroethane-d4	49.6		"	50.0		99.2	50.8-145			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue

Chicago IL, 60631

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120056 - EPA 5035B [P/T]								· · · · · · · · · · · · · · · · · · ·		
Blank (1120056-BLK1)				Prepared	& Analyze	d: 12/04/	01			
Surrogate: Toluen:-d8	50.6		ug/kg wet	50.0		101	82-121			
Surrogate: 4-Bromofluorobenzene	50.5		"	50.0		101	76.8-113			
LCS (1120056-BS1)				Prepared	& Analyze	ed: 12/04/	01			
Acetone	72,4	25.0	ug/kg wet	50.0		145	10-166			
Benzene	55.5	5.00	11	50.0		111	62.1-138			
Bromodichloromethane	61.0	5.00	**	50.0		122	64.3-125			
Bromoform	54.4	5.00	•	50.0		109	47.5-124			
Bromomethane	39.7	5.00	"	50.0		79.4	49.2-198			
2-Butanone	118	10.0	15	50.0		236	10-214			
Carbon disulfide	42.5	5.00	11	50.0	•	85.0	10-175			
Carbon tetrachloride	56.9	5.00		50.0		114	51.1-134			
Chlorobenzene	61.4	5.00	**	50.0		123	63.5-135			
Chlorodibromomethane	61.8	5.00	**	50.0		124	67.5-121			
Chloroethane	49.6	5.00	"	50.0		99.2	10-537			
Chloroform	53.8	5.00	31	50.0		108	69.2-124			
Chioromethane	46.3	5.00	n	50.0		92.6	67.4-162			
1.1-Dichloroethane	48.6	5.00	**	50.0		97.2	63-127			
1,2-Dichloroethane	60.6	5.00	н	50.0		121	57.5-125			
1,1-Dichloroethene	52.6	5.00	n	50.0		105	59.9-129			
cis-1.2-Dichloroethene	57.1	5.00	*	50.0		114	64.4-137			
trans-1,2-Dichloroethene	46.7	5.00	•	50.0		93.4	59-136			
1,2-Dichloropropane	53.2	5.00	**	50.0		106	66.3-132			
cis-1,3-Dichloropropene	70.7	5.00	**	50.0		141	67.9-124			
trans-1,3-Dichloropropene	70.7	5.00	**	50.0		141	63.6-124			
Ethylbenzene	58.1	5.00	**	50.0		116	60-141			
2-Hexanone	90.8	10.0	n	50.0		182	10-175			
Methylene chloride	34.5	5.00	n	50.0		69.0	28.4-149			
4-Methyl-2-pentanone	53.8	10.0	u	50.0		108	10-188			
Styrene	63.0	5.00		50.0		126	64.6-136			
1,1,2,2-Tetrachloroethane	49.3	5.00	**	50.0		98.6	68.4-137			
Tetrachloroethene	65.5	5.00	*	50.0		131	57.6-142			
Toluene	60.0	5.00		50.0		120	64.1-134			
1,1,1-Trichloroethane	58.1	5.00		50.0		116	60-134			
1,1,2-Trichloroethane	61.6	5.00	) "	50.0		123	76.4-125			
Trichlor ethene	61.0	5.00		50.0		122	61.8-132			
Trichlorofluoromethane	45.9	5.00	) "	50.0		91.8	14.6-241			
Vinyl acetate	36.1	10.0	, "	50.0		72.2	10-161			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631 Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control Great Lakes Analytical

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1120056 - EPA 5035B [P/T]			· , · - · · · · ·							
				Prepared	& Analyze	d: 12/04/	01			
Vinyl chloride	44.8	5.00	ug/kg wet	50.0		89.6	57.9-143			
Total Xylenes	181	5.00	10	150		121	60-141			
Surrogate: Dibromofluoromethane	49.2		"	50.0		98.4	81.2-134			
Surrogate: 1,2-Dichloroethane-d4	50.7		n	50.0		10!	50.8-145			
Surrogate: Toluene-d8	50.5		"	50.0		101	82-121			
iurrogate: 4-Bromofluorobenzene	52.2		"	50.0		104	76.8-113			
LCS Dup (1120056-BSD1)				Prepared:	12/04/01	Analyzeo	l: 12/05/01			
Accione	77.1	25.0	ug/kg wet	50.0		154	10-166	6.29	345	
3enzene	51.9	5.00	11	50.0		104	62.1-138	6.70	41.4	
Bromodichloromethane	59.9	5.00	"	50.0		120	64.3-125	1.82	42	
Bromoform	50.4	5.00		50.0		101	47.5-124	7.63	57.4	
Bromomethane	27.1	5.00	"	50.0		54.2	49.2-198	37. <b>7</b>	61.9	
2-Butanone	54.0	10.0	II	50.0		108	10-214	74.4	173	
Carbon disulfide	55.4	5.00	n	50.0		111	10-175	26.4	126	
Carbon tetrachloride	59.1	5.00	•	50.0		118	51.1-134	3.79	43.5	
Chlorobenzene	58.0	5.00	**	50.0		116	63.5-135	5.70	39	
Chlorodibromomethane	60.1	5.00	*	50.0		120	67.5-121	2.79	41.6	
Chloroethane	64.2	5.00	H	50.0		128	10-537	25.7	90.3	
Chloroform	54.9	5.00	*	50.0		110	69.2-124	2.02	43.5	
Chloromethane	27.4	5.00	,,	50.0		54.8	67.4-162	51.3	71.8	
1,1-Dichloroethane	46.8	5.00	**	50.0		93.6	63-127	3.77	41.8	
1,2-Dichloroethane	59.3	5.00	н	50.0		119	57.5-125	2.17	68.6	
,i-Dichloroethene	45.7	5.00		50.0		91.4	59.9-129	14.0	47.5	
cis-1,2-Dichloroethene	57.5	5.00	Ħ	50.0		115	64.4-137	0.698	39.3	
trans-1,2-Dichloroethene	44.9	5.00		50.0		89.8	59-136	3.93	43	
1,2-Dichloropropane	50.1	5.00	•	50.0		100	66.3-132	6.00	38.1	
cis-1,3-Dichloropropene	61.9	5.00	•	50.0		124	67.9-124	13.3	41.5	
trans-1,3-Dichloropropene	61.9	5.00	•	50.0		124	63.6-124	13.3	57.2	
Ethylbenzene	57.6	5.00	*	50.0		115	60-141	0.864	42.7	
2-Hexanone	40.9	10.0	31	50.0		81.8	10-175	75.8	128	
Methylene chloride	77.2	5.00	Ħ	50.0		154	28.4-149	76.5	67.4	
4-Methyl-2-pentanone	41.6	10.0	**	50.0		83.2	10-188	25.6	119	
Styrene	58.6	5.00	н	50.0		!17	64.6-136	7.24	37.2	
1,1,2,2-Tetrachloroethane	43.1	5.00	.1	50.0		86.2	68.4-137	13.4	54.6	
Tetrachloroethene	69.2	5.00	и	50.0		138	57.6-142	5.49	46.3	
Toluene	54.8	5.00	u	50.0		110	64.1-134	9.06	42.6	
1,1,1-Trichloroethane	61.1	5.00	r	50.0		122	60-134	5.03	44.2	

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue Chicago IL, 60631 Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

## Volatile Organic Compounds by EPA Method 5035/8260B - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120056 - EPA 5035B [P/T]										
LCS Dup (1120056-BSD1)				Prepared:	12/04/01	Analyzed	l: 12/05/01			
1.1,2-Trichloroethane	56.5	5.00	ug/kg wet	50.0		113	76.4-125	8.64	53.2	
Trichloroethene	57.9	5.00	"	50.0		116	61.8-132	5.21	43.5	
Trichlorofluoromethane	54.2	5.00	"	50.0		108	14.6-241	16.6	115	
Vinyl acetate	33.4	10.0	*1	50.0		65.8	10-161	7.77	92.1	
Vinyl chloride	31.6	5.00	**	50.0		63.2	57.9-143	34.6	81	
Total Xylenes	171	5.00	"	150		114	60-141	5.68	40.1	
Surrogate: Dibromofluoromethane	50.7		"	50.0	*	161	81.2-134		-	
Surrogate: 1,2-Dickloroethane-d4	51.1		n.	50.0		102	50.8-145			
Surrogate: Tolucne-d8	50.5		r	50.0		101	82-121			
Surrogate: 4-Bromofluorobenzene	53.0		n	50.0		106	76.8-113			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



1380 Busch Parkway Buffalo Grove, Illinois 60089 Email: info@glalabs.com (847) oû8-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue

Chicago IL, 60631

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone Reported: 12/07/01 16:41

# Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	resur		01110		resur	7 III C	Linns	- Ki D	Limit	110103
Batch 1120052 - EPA 3550B										
Blank (1120052-BLK1)				Prepared:	12/04/01	Analyzed	1: 12/07/01			
A,cenny.huberne	MD	100	ug∕kg wet							
Acenaphthylene	ND	200	"							
Anthracene	ND	100	n							
Benz (a) anthracene	ND	50.0	•							
Benzo (a) pyrene	ND	5.00	11							
Benzo (b) fluoranthene	ND	50.0	n							
Benzo (ghi) perylene	ND	100	**							
Benzo (k) fluoranthene	ND	100								
Chrysene	ND	100	n							
Dibenz (a,h) anthracene	ND	5.00	*							
Fluoranthene	ND	100	n							
Fluorene	. ND	100	H							
Indeno (1,2,3-cd) pyrene	ND	50.0								
Naphthalene	ND	100	**			•				
Phenanthrene	ND	100	II .							
Pyrene	ND	100	**							
Surrogate: Carbazole	18.5	,	"	17.0		109	29-132			
LCS (1120052-BS1)				Prepared:	12/04/01	Analyzed	d: 12/07/01			
Acenaphthene	47.0	1.00	ug/kg wet	67.6		69.5	30.8-120			
Acenaphthylene	89.7	2.00	H	67.6		133	38.9-158			
Anthracene	45.4	1.00	n	67.6		67.2	32.9-122			
Benz (a) anthracene	52.2	0.500	11	67.6		77.2	40.5-125			
Benzo (a) pyrene	43.2	0.0500	n	67.6		63.9	31.2-128			
Benzo (b) fluoranthene	49.7	0.500	*	67.6		73.5	45-132			
Benzo (ghi) perylene	51.8	1.00	н	67.6		75.6	38.7-137			
Benzo (k) fluoranthene	51.8	1.00	н	67.6		76.6	53.4-125			
Chrysene	52.3	1.00	11	67.5		77.4	46.5-129			
Dibenz (a,h) anthracene	62.6	0.0500		67.6		92.6	42.8-134			
Fluoranthene	49.5	1.00	**	67.6		73.2	37.1-116			
Fluorene	46.6	1.00	**	67.6		68.9	40.8-108			
Indeno (1,2,3-cd) pyrene	52.3	0.500		67.6		77.4	51-115			
Naphthalene	65.9	1.00		67.6		97.5	22.7-116			
Phenantiurene	51.9	1.00		67.6		76.8	29.5-123			
Pyrene	54.1	1.00		67.6		80.0	44.5-118			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson, Project Manager



1380 Busch Parkway Buffalo Grove, Illinois 60089

Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue

Chicago IL, 60631

Project: 2325 W. Wisconsin Downers Grove

Project Number: 3936-1101 Project Manager: Nick Cuzzone

Reported: 12/07/01 16:41

# Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control Great Lakes Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1120052 - EPA 3550B	·					···				
Matrix Spike (1120052-MS1)	So	urce: B1113	94-01	Prepared:	12/04/01	Analyzed	1: 12/07/01			
Aconophthene	103	1.14	ug/kg dry	76.8	20.2	114	10-154			
Acenaphthylene	158	2.29	11	76.8	64.0	122	10-176			
Anthracene	61.5	1.14		76.8	ND	80.1	10-114			
Bonz (a) anthracene	67.4	0.572	н	76.3	ND	87.8	10-118			
Benzo (a) pyrene	55.5	0.0572	**	76.8	ND.	72.3	10-133			
Benzo (b) fluoranthene	62.4	0.572	11	76.8	ND	81.2	10-126			
Benzo (ghi) perylene	64.3	1.14	11	76.8	ND	83.7	10-103			
Benzo (k) fluoranthene	77.2	1.14	**	76.8	ND	101	1.0-112			
Chrysene	66.9	1.14		76.8	ND	87.1	10-121			
Dibenz (a,h) anthracene	60.2	0.0572	**	76.8	ND	78.4	13.9-101			
Fluoranthene	71.7	1.14	e	76.8	ND'	93.4	10-123			
Fluorene	66.2	1.14	n	76.8	ND	86.2	10-144			
Indeno (1,2,3-cd) pyrene	67.3	0.572	*	76.8	ND	87.6	10-103			
Naphthalene	213	1.14	97	76.8	98.6	149	10-132			
Phenanthrene	71.7	1.14	r	76.8	6.15	85.4	10-130			
Pyrene	82.5	1.14	n	76.3	ND	107	10-145			
Surrogate: Carbazole	21.2		· · · · · · · · · · · · · · · · · · ·	19.2		110	29-132			
Matrix Spike Dup (1120052-MSD1)	So	urce: <b>B111</b> 3	94-01	Prepared	: 12/04/01	Analyze	d: 12/07/01			
Acenaphthene	149	1.14	ug/kg dry	75.0	20.2	172	10-154	31.9	66.4	
Acenaphthylene	161	2.29	n	75.0	64.0	129	10-176	1.88	65.7	
Anthracene •••	59.9	1.14	"	75.0	ND	79.9	10-114	2.64	67.1	
Benz (a) anthracene	70.9	0.572		75.0	ND	94.5	10-118	5.06	57.8	
Benzo (a) pyrene	52.8	0.0572	**	75.0	ND	70.4	10-133	4.99	54.5	
Benzo (b) fluoranthene	61.1	0.572	*	75.0	ND	81.5	10-126	2.11	51.9	
Benzo (ghi) perylene	63.0	1.14		75.0	ND	84.0	10-103	2.04	65 9	
Benzo (k) fluoranthene	63.9	1.14	. "	75.0	ND	85.2	10-112	18.9	59.3	
Chrysene	65.6	1.14	. •	75.0	ND	87.5	10-121	1.96	65.2	
Dibenz (a,h) anthracene	58.6	0.0572		75.0	ND	78.1	13.9-101	2.69	49.8	
Fluoranthene	63.6	1.14	. "	75.0	ND	84.8	10-123	12.0	58.7	
Fluorene	64.2	1.14	*	75.0	ND	85.6	10-144	3.07	53.9	
Indeno (1,2,3-cd) pyrene	63.9	0.572	. *	75.0	ND	85.2	10-103	5.18	55.8	
Naphthalene	249	1.14	. "	75.0	98.6	201	10-132	15.6	62.5	
Phenanthrene	71.4	1.14	*	75.0	6.15	87.0	10-130	0.419	57.4	
Pyrene	94.3	1.14	<b>"</b>	75.0	ND	126	10-145	13.3	56.6	
Surrogate: Carbazole	20.0		н	18.8		106	29-132			

Great Lakes Analytical

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andy Johnson, Project Manager



Relative Percent Difference

RPD

1380 Busch Parkway Buffalo Grove, Illinois 60089

Project: 2325 W. Wisconsin Downers Grove

Email: info@glalabs.com (847) 808-7766 FAX (847) 808-7772

EPS Environmental Services, Inc.

7237 W. Devon Avenue

Project Number: 3936-1101 Project Manager: Nick Cuzzone Chicago IL, 60631

Reported: 12/07/01 16:41

#### **Notes and Definitions**

G!	The recovery of one or more analytes in the matrix QC (MS/MSD) associated with this sample is above the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
G12	The reporting limit of this sample/analyte is elevated due to sample matrix and/or other effects.
G19	The relative percent difference (RPD) of one or more analytes in the laboratory control QC (BS/BSD) associated with this sample is above the laboratory's established acceptance limits. Refer to the included QC reports for more detail.
G2	The recovery of one or more analytes in the matrix QC (MS/MSD) associated with this sample is below the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
G4	The recovery of one or more analytes in the laboratory control QC (BS/BSD) associated with this sample is below the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis



# APPENDIX C

Comparison Table

TACO Tier 1 Values 2325 West Wisconsin Street	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Exposure Route-Specific  Values for Soil		Migration to Groundwater Ingestion Exposure Route Value				
Downers Grove, Illinois Residential Land Use	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)	Class II (mg/kg)	(mg/kg)	Samı	ole Results, mg	ı/kg
Sample ID						GP-1/9'	HB-1/3'-4'	HB-2/1'-2'
Sample Date						11/29/01	11/29/01	11/29/01
Constituent								
Arsenic	0.4	750	0.05*	0.2*	7.2	3.79	<2.74	<2.78
Barium	5,500	690,000	2.0*	2.0*	110	41.0	NA	NA
Chromium	390	270	0.1*	1.0*	16.2	11.6	12.4	15.5
Copper	2,900		0.65*	0.65*	19.6	NA	15.3	14.5
Lead	400		0.0075*	0.1*	36.0	11.6	12.4	10.5
Nickel	1,600	13,000	0.1*	2.0*	18.0	NA	15.9	30.6
Selenium	390		0.05*	0.05*	0.48	2.97	<2.74	<2.78
Thallium	6.3		0.002*	0.02*	0.32	NA	5.12	5.75
Zinc	23,000		5.0*	10*	95.0	NA	53.7	52.2
cis-1,2,Dichloroethene	780	1,200	0.4	1.1	CIN	<0.00593	<0.00548	0.0141
etrachloroethene	12	11	0.06	0.3	ND)	<0.00593	0.134	0.148

Only those compounds identified above laboratory detection limits are included.

Pold = Exceeds Tier 1 Ingestion SRO

--- = No toxicity criteria available for this route of exposure

NA= Not Analyzed, ND = No data available

0.0075\* = SPLP Value; Samples Analyzed for Total Metals Only

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Clerk



Lawrence C, Cox Manager Ralph E, Smith, Jr. Operations Director Shella K, Henschel Administrative Services Director Douglas A, Slansky

2710 Curtiss Street, Downers Grove, IL 60515-4052 1-312-969-0664

Providing a Better Environment for South Central DuPage County

January 30, 1987

Mr. Frank Essig Personnel Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Dear Mr. Essig:

I have enclosed with this letter the plant inspection report for our visit on January 23, 1987. Please respond to the specific points listed on page two of the report at your earliest convenience. I have received the signed solvent management plan and cooling water treatment information, no further response is necessary regarding these points.

Enclosed you will also find a copy of the RCRA Information Brochure, which I am mailing out to all Industrial Users with hazardous wastes, as requested by IEPA. The brochure covers the general requirements of RCRA, including identification numbers, manifest requirements and some of the exemptions and exclusions from RCRA. I hope this information will be of use to you.

As always, feel free to call me if you have any questions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML/jml Enclosures



## TRICON INDUSTRIES INCORPORATED

BRAZING ALLOYS AND CHEMICAL PRODUCTS DIVISION

5000 Chase Street, Downers Grove, Illinois 60515 + 6312) 963-0220

07:0064

January 28, 2986

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Downers Grove, IL 60515

#### Dear Janet:

Below is a summary of our water usage during the months of November and December 1985. I thank you for bringing this to our attention. I have notified our Plating Department of the need of taking a grab sample for metal analysis in addition to the other tests. Our testing for January is complete so w will start this procedure during February.

I apologize if I seemed a little brusque during our telephone conversation, but the need for this third test caught me by surprise. We would prefer not to perform a third test as it will increase testing expenses significantly.

The analysis of a grab sample to determine maximum concentration levels is statistically an unsound procedure. I wish you would reconsider this issue. However, whatever your decision, we will continue to work with you to ensure compliance. I do understand your position and your responsibility is great. But, as a small business, we must maintain costs in order to be competitive.

DATE	DAY	Water Discharge (Gallons)	Hours of Operation
11/01/85	Friday	5428	16
11/04/85	Monday	6020	16
11/05/85	Tuesday	6121	16
11/06/85	Wednesday	5804	15
11/07/85	Thursday	7220	16
11/08/85	Friday	6250	16
11/11/85	Monday	5240	15
11/12/85	Tuesday	6040	16.
11/13/85	Wednesday	7720	16
11/14/85	Thursday	8510	16

DATE	DAY	Water Discharge (Gallons)	Hours of Operation
11/15/85	Friday	6510	16
11/18/85	Monday	8085	15
11/19/85	Tuesday	7810	16
11/20/85	Wednesday	4400	812
11/21/85	Thursday	6980	16
11/22/85	Friday	6280	16
11/25/85	Monday	6480	16
11/26/85	Tuesday	3930 (Estimate)	16
11/27/85	Wednesday	3970 (Estimate)	16
11/28/85	Thursday	~~	Holiday
11/29/85	Friday		Holiday ·
12/02/85	Monday	3700	16
12/03/85	Tuesday	5710	14
12/04/85	Wednesday	7730	16
12/05/85	Thursday	8020	16
12/06/85	Friday	2560	15
12/09/85	Monday	3750	9
12/10/85	Tuesday	3890 (Estimate)	16
12/11/85	Wednesday	3810 (Estimate)	15
12/12/85	Thursday	5840	16
12/13/85	Friday	2870	16
12/16/85	Monday	3040	16
12/17/85	Tuesday	6130	11
12/18/85	Wednesday	_ ~ 5030	16
12/19/85	Thursday	4690	11
12/20/85	Friday	2720	14
12/21/85	Saturday	3000	8
12/23/85	Monday	·	Holiday

DATE	DAY	Water Discharge (Gallons)	Hours of Operation
12/24/85	Tuesday		Holiday
12/25/86	Wednesday	ma yar	Holiday
12/26/85	Thursday	6030	16
12/27/85	Friday	4590	16
12/30/85	Monday	4330	16
12/31/85	Tuesday	~ -	Holiday

NOTE: Our water analysis was conducted by Envirotest in Downers Grove. The levels on our report refer to Total Cyanide. There was no disposal of spent plating solutions or metal sludges during this period.

Sincerely,

Frank Essig Safety Director

jrd

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Cierk



Lawrence C. Cox Manager Ralph E. Smith, Jr. Operations Director Sheila K. Henschel Administrative Services Director Douglas A. Slansky Attoney

2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

February 12, 1986

Mr. Frank Essig Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, Illinois 60515

#### Dear Frank:

In response to your letter of February 3, 1986, which describes your assessment of the source of high copper concentrations in the pretreated wastewater, I have the following comments:

- 1) The disturbance of the accumulated metal sludge is indeed a likely source, and it is understandable that you would not recognize that there would be enough sludge settled out in the inspection tank to cause a problem. This is where the self-monitoring data is useful, it measures performance as well as compliance. The first year of data is important because it gives you the level of performance that can be expected of the system.
- 2) You seem uncertain of the continued need for using the settling tank. I would suggest that its use be continued indefinitely, it will add a margin of safety to the operation of the system.
- 3) The purpose of the grab sample result is not to determine the daily maximum metals concentration, but to determine if the effluent is within the daily maximum limits specified in the permit. The composite sample results represent an average for the production day of the concentration in the effluent. During the day, the concentration varies. The grab samples will give us a measure of the variation present in the system. This information is important to us to determine compliance and important to you to measure performance.
- 4) Considering the problems encountered, you may wish to change the manner in which samples are collected from the inspection tank.

The cited violation was not significant, however, this is the time to determine if the pretreatment system can consistently meet the permit limits.

The District shall sample the pretreated discharge for metals, and the results from these samples, and the self-monitoring results shall be reviewed to verify compliance with the permit conditions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

Manager

LCC/JML/jad

Mr. Larry Cox Downers Grove Sanitary District

inspection tank will determine the need of this settling tank. The Sanitary District would be notified if we discontinue the use of this tank.

We hope that these procedures answer your concerns. We are confident that our system will again show 100% compiance. If you need additional information, we will be happy to comply. We are also looking at the possibility of attaching filters to our vibratory cleaning operations. I am sorry that I overlooked the need of cleaning our inspection tank, but this is a learning experience for all concerned.

We again wish that you would reconsider the need of a grab sample for heavy metals in addition to the hourly composite sample. Janet Lacina indicated that this third test should have been part of the permit and that the third test is required to determine our maximum daily concentrations for metals. We firmly believe that a grab sample will not be a statistically sound procedure for determining maximum levels of metals. The hourly composite sample should be a more accurate record of our effluent.

Sincerely,

Frank Essig Safety Director

ird

cc: Janet Lacina R. W. Grandle

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Clerk



2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

January 28, 1986

Lawrence C. Cox Manager Ralph E. Smith, Jr. Operations Director Sheila K. Henschel Administrative Services Director Douglas A. Slansky

Attorney

Mr. Frank Essig Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Re: Violation of wastewater discharge permit limitation

Dear Mr. Essig:

The self-monitoring report which you submitted for Tricon Industries, Inc., for the months of November and December 1985, indicated that on three out of seven days sampled the permit limit specified for copper was exceeded.

As required by Section IV B of the wastewater discharge permit, you are hereby notified of this violation, and have ten (10) days from the receipt of this letter to respond in writing to the District, describing the measures taken to prevent a recurrence of the cited violation. The corrective actions described in the report may not be sufficient to provide consistent compliance with the permit limit.

If you have any questions, please feel free to call myself or Janet Lacina.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

Manage1

# DOWNERS GROVE SANITARY DISTRICT INDUSTRIAL PRETREATMENT COMPLIANCE REPORT

CAUTION: PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE ANSWERING THESE QUESTIONS

# SECTION I

١.	<u>A</u> .	Name:	Tricon industries, inc.
		Address:	2325 Wisconsin Avenue
	1	. •	Downers Grove, IL 60515
		. <del></del>	ZIP CODE
	<u>B</u> .	Facility Na	me: Electromechanical Division
		Location:	2325 Wisconsin Avenue
		•	Downers Grove, IL 60515
1			ZIP CODE
: :		(Optional) N	lumber of Employees 210 Number of Shifts 3
2.	<u>A</u> .	A Baseline If not subm	Monitoring Report(s) (BMR) /// was /// was not submitted. witted, complete applicable sections or submit your own report.
	: R		submitted to:
	⊻•	,—,	
		- [_]	Local Municipality on
	!		State Agency on
			USEPA, Region V on
:		<u>/X</u> /	Most recent updated BMR is attached.
!	<u>c</u> .	. Compliance If not sub	Progress Reports (CPR) $//$ were $/x/$ were not submitted. omitted, complete applicable sections or submit your own report.
	<u>D</u> .	. The report	s were submitted to:
			Local Municipality on
• • • • • • • • • • • • • • • • • • • •			State Agency on
			USEPA, Region V on
:		/X /	Most recent updated progress report is attached.

## 3. A. Process Description:

Nature of Operation			Production Rate	Subpart	SIC Cod	
Switches, contact assemblies			\$11,000,000 Sales	·	3699	
	9.7 24					
;	*					
			·			

υ.	ENVITORMENCAT	CONCLOT A CIMITS	Inceach	addictonat	3116663	 necaca).	
	, *A						
	* *	Ch ah a		1 1		EDA	

Existina:	State 1984-EB-1508	Local 11052	EPA
	ILDO 05084124		0430300017
Pending:			
_			

<u>A</u> .	Total	Plant	Flow	(gallons/day)
------------	-------	-------	------	---------------

Average	5400	Maximum	8500

Type of Discharge: Batch \_\_\_\_ Continuous \_X

# B. Individual Flows (gallons/day)

	Name of Process Line (Regulated)		Average	<u>Maximum</u>	Discharge
Lj	Cyanide Destruct	_	1142	3,000	1142-3000
L <sub>2</sub>	pH Adjust	_	5400	8,500	5400-8500
La		<del>-</del>			
L4		- ;			

(Non-Regulated)			
Sanitary			11851-13786
:			
Total Cooling Water	5	40	5-40
Total Sanitary Waste			17291-19226

	Regulated P	•					f neede	ed)	<del></del>	<del></del>	<del></del>
١	Pollutant:	Nickel	Copper	Silver	Cyanide	рН				<u> </u>	_
.	Maximum.	1.9	1.9	.15	.076	8.89				<u> </u>	
	Average	. 68	1.46	.094	.04	8.45					
	Number of S	amples (1		1	consecu						mple
				per d							
•	<u>.</u>	· · · · · ·	` <del></del>								
}ri 	efly descri Hypochlo automati	rite fo	ollowed	by pH	adjust.	Syst	ems u	se mon:	itors	and	un -
3ri oy	lefly descri products, e	be dispo tc.)	sal meth	od of wa ges ger	ste producerated	icts (i at th	.e. pro	etreatme ne.	ent sluc	dges, d	:hemic
	7. 1	μ									
		; ; ;			SECTIO	N II			•		
		Schedule		* .* * *.				Comp	letion	Dates	
١.	Compliance Completi	Action I	: 1 'ij	<b>b</b>	<b>K</b> +						

 $\overline{X}$  I waive the certification statement. My Solvent Management Plan is attached.

# SECTION III

A. Periodic Progress Reports:			
I submitted each required progress reports Note: If not to USEPA, Region V, please a		g agency:	· ·
	<del></del>		1
I did not submit the required progress rep	orts. My schedul	e is included	in Section II
I have not complied with each action items delay as well as the necessary steps being			
My revised schedule for achieving compliance is	as follows:	***	· · · · · · · · · · · · · · · · · · ·
Action Items		etion Date	•
		·	<u> </u>
		<del></del>	
	<del></del>	<del></del>	<del></del>
- I			
B. Final Progress Reports:		·	
$\sqrt{x}$ I achieved compliance. See Section I.	·		
I did not achieve compliance. See Section	III.	r	
SECTION	τV		•
<u>Jed Hon</u>		· •	•
$\sqrt{x}$ To the extent allowed by 40 CFR Part 403.1 the information contained herein be consid	4 and 40 CFR Par ered confidentia	t 2.302, I red l information.	quest
A. Qualified Professional Certification:		· •	
I hereby certify under penalty of law that the with the applicable procedures and requireme Regulations and amendments thereto. I am awa submitting false information, including the	nts as specified re that there ar	in the Genera e significant	l Pretreatmen penalties for
Name (print) Signature	Title	Date	Phone
B. Authorized Representative Statement:	•	Į.	
I certify under penalty of law that I have p the information in this report and all attac inquiry of those persons immediately respons contained in this report, I believe that the I am aware that there are significant penalt the possibility of fine and imprisonment. I	hments therein. ible for obtaini information is ies for submitti further certify	Furthermore, ng the inform true, accurating false information that the same	based on my ation e, and complete mation, including results
reported are representative of normal work of Frank Essig	ety Director		312)964-233(
Name (print)	T. 1 -		

# INDUSTRIAL PRETREATMENT COMPLIANCE REPORT INSTRUCTIONS

Give the name, as it is legally referred to, of the person, firm, public organization, or any other entity which owns or is directly responsible for the facility described in the report. This name may or may not be the same as the facility producing the discharge. Give the complete mailing address of industrial user's main office. This often will not be the same address used to designate the location of the facility.

ITEM 1(B)
Give the name and address of facility producing the discharge.

ITEM 2(A) AND 2(C)
Self-explanatory. However, if none was submitted, then complete applicable sections of the format.

ITEM 2(B) AND 2(D)

If more than one report was submitted, specify how many as well as the submittal dates of each and to what agency. Attach the most recent updated report submitted if not submitted to the USEPA, Region V Office.

Briefly state the nature of business or service, production rates, and applicable subparts. Be specific in identifying each process and production rate (usually given as an annual average production or monthly average in terms of lbs/tons, number of units or square meters plated, etc. If other manufacturing operations not related to any of the subcategories exist, please provide general descriptions. Use additional sheets, if needed. Consult the guidance manual for further detail.

State the applicable environmental permit (existing and pending) for the facility. Specify the type of permit (i.e., air, water, hazardous waste, etc.) for the souce being controlled.

Provide total plant flow (average and maximum) to sewerage system. The total plant flow should include domestic wastewaters, regulated process wastewaters, cooling water plus any other manufacturing wastewaters. Indicate whether discharge is batch or continuous to the sewerage system.

ITEM 4(8)
Provide average and maximum flows from regulated processes. In some cases these wastewaters are combined. If so, please indicate that volumes reported are summation of all regulated processes. Also include nonregulated processes, cooling water and sanitary wastewater flows.

Submit a "schematic of each process and associated flows and pretreatment system". All drawings should be on 8 1/2 by 11 inch paper. It should be simple, but complete. Indicate sampling locations on the schematic as well as points of wastewater discharges to the sewerage system.

ITEM 6 Sample, analyze, and report on all regulated pollutants in the regulated processes at the end-of-process regulated point. "Trace" or "0.0 mg/l" is not a valid result. If nondetectable, specify detection level. Refer to the Guidance Manual and the Total Toxic Organic Guidance Document for the pollutants that are regulated. For integrated facilities, sampling can be performed at the combined point but will need to be adjusted by employing the "combined wastestream formula" (CWF). Refer to the Guidance Manual for specific examples. If the CWF is used, then all calculations and input data must be provided. Indicate sample types (i.e., grab, flow-proportioned composite, etc.), analytical methods and number of samples taken. Specify whether samples were taken of combined wastestreams. Samples should be taken for three consecutive days, flow-proportional composites, and representative of the dail operations. Specify the time, date of sampling, and methods of analysis. Analytical methods must be performed in accordance with 40 CFR Part 136 and any amendments thereto. Refer to the Guidance Manual and the TTO Guidance Document for more detail on sampling.

### SECTION II

Specify the major events needed to achieve compliance as well as the dates for completion of each event (i.e., hiring an engineer, completing preliminary plans, completing final plans, executing contracts, commencing construction, completing construction, etc.). The shortest possible schedule should be provided

ITEM 1(B)
Refer to the Guidance Manual and TTO Guidance Document for more detail.

## SECTION III

ITEM 1(A)
Refer to the Guidance Manual for more detail.

## SECTION IV

ITEM 1(A)
The certification pertains to the actual preparer of the report if different from the authorized representative.

The authorized representative may be either a corporate official, a partner, a fiduciary, or other duly authorized representative if this person is responsible for the overall operation of the facility from which the discharge originates.

BOARD OF TRUSTEES Hugh A. Williams, Jr. President Roy W. Roush, Jr. Vice-President Herbert R. Reich Clerk



2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central **DuPage** County

April 28, 1986

Mr. Frank Essig Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

#### Dear Frank:

I have recorded below the results obtained on the grab samples which were collected by the District. All indicate compliance with permit conditions.

 Sample Date	Time	Copper mg/L	Nickel mg/L	Silver mg/L	Zinc mg/L
2/12/86	1040	0.46	0.81	LT .05	2.4
2/19/86	1335	2.3	0.21	LT .05	1.6
2/25/86	1347	1.0	LT .05	LT .05	1.7
3/11/86	1335	0.67	1.4	LT .05	1.2
3/13/86	1310	0.75	2.3	0.01	1.8

The zinc analyses were done to determine compliance for this metal. The permit limit is 2.61 mg/L, which all the results are below. but I am concerned that they are so consistently high. Would this be

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

Douglas A. Slansky

STAFF

due to a specific piece being finished, or is zinc a common constituent in the metals finished? Please let me know.

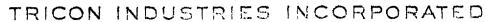
Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina JD.

Laboratory Services Director

JML/jad



ELECTROMECHANICAL DIVISION

Contact Assemblies & Switches

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4070 | 302/904-2330 | Telex 27-0004

April 9, 1986

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Janet:

Quarterly Report of Waste Treatment Facility (January 1 - March 31, 1986) Re:

Please be advised of the following analysis results:

Sample Date	рН	Total <u>Cyanide</u>		Copper	Silver	Nickel
01/06/86	8.25-8.49	.061	Composite Sample Grab Sample	2.3 N/A	.10 N/A	.07 N/A
` 01/15/86	8.02-8.31	.024	Composite Sample Grab Sample	4.5* N/A	.03 N/A	2.60 N/A
01/23/86	8.36-8.44	LT .003	Composite Sample Grab Sample	3.9* N/A	.03 N/A	.80 N/A
02/07/86 02/03/86	7.10-8.12	.03	Composite Sample Grab Sample	1.9 1.0	.06 .01	.07
02/19/86	8.28-8.43	LT .01	Composite Sample Grab Sample	1.1	LT .05 LT .05	.11 .28
02/28/86	8.22-8.30	.03	Composite Sample Grab Sample	.95 .73	LT .05 LT .05	.23 .21
03/14/86	8.23-8.71	.02	Composite Sample Grab Sample	.99 .93	.06 LT .05	.33 .28
03/19/86 03/20/86	7.47-8.30	.05	Composite Sample Grab Sample	2.4 2.8	LT .05 LT .05	.62 .60
03/26/86	8.49-8.65	LT .01	Composite Sample Grab Sample	.56 .34	LT .05 LT .05	,34 ,45

Ms. Janet Lacina Downers Grove Sanitary District

Discrepancy	Corrective Action
01/15/86 and 01/23/86 High Copper Readings	On 02/01/86 Inspection tank was cleaned out. (See letter of 02/03/86.) Accumulation of sludge in inspection tank was aggitated during testing procedures causing high readings of copper. Subsequent reading indicate system working effectively.

No change in quantity of wastewater occurred during this period. There were no problems with solvents entering our effluent. There was no disposal of spent plating solutions or metal sludges during this period.

Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposed, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

All water analysis was performed by Enviro-test, Inc., in Downers Grove.

### Water Usage

Date	Day	Water Discharge (Gallons)	Hours of Operation
01/01/86	Wednesday		Holiday
01/02/86	Thursday	4460	16
01/03/86	Friday	6290	11
01/06/86	Monday	5480	13
01/07/86	Tuesday	6780	16
01/08/86	. Wednesday	5430	16
01/09/86	Thursday	6910	16
01/10/86	Friday	7970	16
01/13/86	Monday	4560	16
01/14/86	Tuesday	6180	16
01/15/86	Wednesday	4840	13
01/16/86	Thursday	4740	16
01/17/86	Friday	4080	16
01/20/86	Monday	2840	16
01/21/86	Tuesday	6320	16
01/22/86	Wednesday	4560	1.4
01/23/86	Thursday	2360	16
01/24/86	Friday	7100	. 16
01/27/86	Monday	6300	1.6
01/28/86	Tuesday	6240	16
01/29/86	Wednesday	9260	16
01/30/86	Thursday	8470	16
01/31/86	Friday	3250	16

02/03/86	Monday	8580	16
02/03/86	Tuesday	9120	16
02/05/86	Wednesday	2470	16
02/05/86	Thursday	2650	16
02/07/86	Friday	4790	16
	•	2440	16
02/10/86	Monday	2360	16
02/11/86	Tuesday	10030	16
02/12/86	Wednesday	8640	16
02/13/86	Thursday	5590	11
02/14/86	Friday		1.5
02/17/86	Monday	4630	16
02/18/86	Tuesday	7260	16
02/19/86	Wednesday	4300	
02/20/86	Thursday	5200	16
02/21/86	Friday	8520	16
02/24/86	Monday	6300	16
02/25/86	Tuesday	4480	16
02/26/86	Wednesday	2940	16
02/27/86	Thursday	4420	16
02/28/86	Friday	1650	16
03/03/86	Monday	5590	16
03/04/86	Tuesday	3740·	16
03/05/86	Wednesday	4560	16
03/06/86	Thursday	6840	. 16
03/07/86	Friday	4930	16
03/10/86	Monday	2730	16
03/11/86	Tuesday	5600	16
03/12/86	Wednesday	4410	16
03/13/86	Thursday	3430	1.1
03/14/86	Friday	5690	10
03/17/86	Monday	5320	16
03/18/86	Tuesday	8350	16
03/19/86	. Wednesday	3650	11
03/20/86	Thursday	5390	16
03/21/86	Friday	3060	16
03/24/86	Monday	3750	16
03/25/86	Tuesday	2320	16
03/26/86	Wednesday	5460	16
03/27/86	Thursday	2380	16
03/28/86	Friday	1.500	Holiday
03/23/86	Monday	<del></del>	16
02/21/00	nonuay	5570	¥.U

Sincerely,

Frank Essig Personnel Director BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Clerk



2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

December 27, 1985

Sheila K. Henschel Administrative Services Director Douglas A. Slansky Attorney

Lawrence C. Cox

Ralph E. Smith, Jr.

Operations Director

STAFF

Manager

Mr. Frank Essig Safety Director Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Re: Solvent Management Reporting Requirements

Dear Frank:

I have enclosed a "Prohibitive Materials Discharge Report" form which should be used to report compliance with the accidental spill disposal and reporting requirements at the Tricon facility at 5000 Chase Street in Downers Grove. Solvent management compliance for the facility at 2325 Wisconsin Avenue should be reported with the selfmonitoring reports as described in the discharge permit.

Please note that solvent management reporting is semi-annual and the prohibitive materials discharge report is due by January 31, 1986, while the finishing department's self-monitoring reports are quarterly and the next one is due by January 20, 1986.

If you have any questions regarding the reporting requirements, please feel free to call me.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML/jad Enclosure BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich



2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

April 26, 1985

STAFF

Lawrence C. Cox Manager

Ralph E. Smith, Jr. Operations Director

Shella K. Henschel Administrative Services Director

Douglas A. Slansky Attorney

Mr. Frank Essig Tricon Industries Incorporated 2325 Wisconsin Avenue Downers Grove, Illinois 60515

Re: Addition to Manufacturing Facility

2325 Wisconsin Avenue Downers Grove, Illinois

Dear Mr. Essig:

Enclosed please find the following items concerning the subject facility:

- 1) Our invoice in the amount of \$18,342.86 which represents the balance of the sewer permit fee for the subject building. It is important that the payment of this fee be received by the District no later than May 4, 1985. If this fee is not paid by that date, the District's recently revised tap-in fee rates will apply to this project and the new amount would be \$27,450.00.
- 2) Proposed Discharge Permit for the pretreatment facility and process flows from the subject project. Please have the enclosed two copies executed by the appropriate individuals and returned to the District at your earliest opportunity.
- 3) As part of the Downers Grove Sanitary District's Pretreatment Program, all industrial and commercial users storing solvents or toxic organics are required to submit a solvent management plan and an accidental spill disposal and reporting plan to the District for review and approval.

Any discharge of toxic materials or solvents is a violation of the District's Pretreatment Ordinance. For the plans you submit to gain approval, they must assure the District that the materials are being properly handled and disposed of and that proper precautions are taken to prevent any spiils from entering the sanitary sewer system.

Attached are two pages describing what information should be included in the plans, as well as what your reporting requirements will be to the District.

The plans you submit should accurately reflect what your practices are. It is important to include what steps are taken to inform employees in the use, and disposal of these materials, and what their responsibilities are for reporting spills.

The plans should be completed and sent to the District within ninety (90) days from the date of this letter.

If you have any questions concerning the enclosed invoice, please call me. If you have any questions concerning the discharge permit or the solvent management plan, please call Janet Lacina at 969-0664.

Sincerely,

powners grove sanitary district

Lawrence C. Cox

Manager

LCC/jad

cc: Janet Lacina

BOARD OF TRUSTEES
Hugh A Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Clerk



STAFF

Lawrence C. Cox Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services

Douglas A. Slansky Attorney

2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

May 2, 1985

#### Gentlemen:

As part of the Downers Grove Sanitary District's Pretreatment Program, all industrial and commercial users storing solvents or toxic organics are required to submit a solvent management plan and an accidental spill disposal and reporting plan to the District for review and approval.

Any discharge of toxic materials or solvents is a violation of the District's Pretreatment Ordinance. For the plans you submit to gain approval, they must assure the District that the materials are being properly handled and disposed of and that proper precautions are taken to prevent any spills from entering the sanitary sewer system.

Attached are two pages describing what information should be included in the plans, as well as what your reporting requirements will be to the District.

The plans you submit should accurately reflect what your practices are. It is important to include what steps are taken to inform employees in the use, and disposal of these materials, and what their responsibilities are for reporting spills.

The plans should be completed and sent to the District within ninety (90) days from the date of this letter. Mail the plans to the address above, to the attention of: Pretreatment Program.

If you have any questions regarding the plans or the Pretreatment Program, please feel free to call me.

DOWNERS GROVE SANITARY DISTRICT

Jan & M. Lacins

Janet M. Lacina

Director of Laboratory Services

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Cierk



Ralph E. Smith, Jr.
Operations Director
Shella K. Henschel
Administrative Services
Director

Douglas A. Slansky

Lawrence C. Cox

STAFF

Attorney

2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

June 5, 1985

Mr. Frank Essig Tricon Industries, Incorporated 2325 Wisconsin Avenue Downers Grove, Illinois 60515

Dear Mr. Essig:

As was discussed in our telephone conversation on Tuesday April 30, the discharge permit will become effective the date is is signed by representatives of Tricon. The permit will be effective for a period of five years, at which time Tricon is required to make application for renewal.

Your facility's tumbler/cleaning and plating operations' pretreated discharge is regulated by the Metal Finishing standards now because your facility is defined as a new source. This means the standards are to be met from the commencement of the discharge. The February 15, 1986 date applies to sources existing prior to promolgation of the Metal Finishing standards on August 31, 1982. If the self-monitoring results indicate your discharge will not meet the standards, a compliance schedule must be submitted which will assure compliance by February 15, 1986.

Section III (A) of the permit specifies that composite samples be collected proportionally to flow. This requirement is necessary due to the wide variation in flow depending what processes are operating. When compositing a sample proportionally to flow, you can either use the total flow between samples, as you proposed, or the flow occurring when a sample is collected. I would suggest using the current flow because you can perhaps estimate this from what processes and equipment are operating. The design plans for the treatment process described the vibratory finishing flow as 100 Gals./Hr. and the plating flow as 405 Gals./Hr. The flows do not have to be accurate as long as they are relatively precise.

As an example, if the vibratory finishing process operated from 0800-2400 Hrs. and the plating process from 1200-1800 Hrs., then you could composite each hour, 100 mL from 0900-1200 Hrs., 505 mL from 1300-1800 Hrs., and 100 mL from 1900-2400 Hrs. I used a sample to flow ratio of 1 mL per Gal./Hr. just as an example, the volume you use will depend on how much sample you require.

I have proposed that the sampling frequency be changed to alternate days of process operation with a minimum frequency of 10 days per month. Once we have enough data to determine that the discharge will meet the permit limits on a consistent basis we can further reduce the frequency. However, the frequency will not be less than three days per month. The sample types, parameters, and reporting requirements remain unchanged.

Proper handling and preservation of samples is essential for reliable lab results. Samples which are to be analyzed for metals can be collected in plastic or hard (borosilicate) glass bottles. Prior to use, these bottles should be rinsed with 1:1 hydrochloric acid and then with deionized water to remove any metals which are absorbed to the surface of the container. The samples are preserves with concentrated nitric acid to a pH of less than 2, the acid used should be prepared specially for metals analyses. Cyanide samples must be collected in hard glass containers. As the sample aliquotes are collected they are first dechlorinated with ascorbic acid and the pH is adjusted to greater than 12 with 10 M NaOH. The pH samples cannot be preserved and should be run as soon as possible.

When you are ready to set up your sampling program, let me know and I would be more than happy to come and "walk through" the sample collection and preservation methods described in 40 CFR Part 136. Sampling certainly is a very important step in the program but it can seem complicated at first so getting started on the right foot should be some help.

The Metal Finishing standards require that any toxic organic "reasonably expected to be present" must be analyzed, for the purposes of the baseline monitoring report, even if a solvent management plan has been approved. The quarterly self-monitoring reports will require only the certification statement contained in the discharge permit. Perchloroethylene is considered a volatile organic so only grab samples are required. A hard glass bottle which has a teflon lined cap should be used for sampling and the bottle must be filled completely so there is no air in it. The sampling frequency for BMR data is three sampling days during a two week period, taking two grab samples each sampling day.

Two copies of the proposed discharge permit are enclosed, please have them signed by the appropriate individuals and returned to the District as soon as possible.

I hope you will not hesitate to call if you have any questions.

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML/jad Enclosure BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Clerk



2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

July 31, 1985

STAFF
Lawrence C. Cox
Manager
Ralph E. Smith, Jr.
Operations Director
Shelia K. Henschel
Administrative Services
Director
Douglas A. Slansky

Attorney

Mr. Frank Essig Personnel Manager Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, Illinois 60515

Dear Mr. Essig:

As was discussed at our meeting on Tuesday, July 23, 1985, the cyanide samples taken at the cyanide destruction pit, shall be grab samples only, collected when there is flow through the tank, and properly preserved at the time of collection. Samples for metals and pH analyses shall continue to be collected as described in the permit.

I have enclosed a Compliance Report form and instructions. When you have the results for at least three days, you can complete the form and submit it to the District. Item 5 requests a schematic of your process and pretreatment systems, since we already have one on file, it is not necessary to submit another.

If the results indicate noncompliance, whether for cyanide, metals or both, then a compliance schedule will have to be drawn up and will become part of the discharge permit. With the system as it is now, cyanide should be no problem, but if you feel the discharge will not meet the limits for metals, now is a good time to be looking at the treatment alternatives available, so you can act if necessary.

Also enclosed is an Industrial Discharge Permit Application. Please complete it so we will have the information on file. It is not necessary for you to submit the results requested in Section III C of the application.

Sampling should be started as soon as possible to determine compliance, especially for the metals. That really is the purpose of the baseline monitoring report. The BMR and Compliance Report forms are very similar and generally have the same purpose, so there is no reason to do both at this time.

The Solvent Management Plan you submitted on July 23rd for the Tricon facility at 2325 Wisconsin Avenue, is approved. You did not indicate what was done to prevent leaking solvent in the production area from entering the floordrains nearby, however, you can show me the next time I am there.

If you have any further questions, please call.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

Jan & Macina

JML/jad Enclosure



#### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

Contact Assemblies & Switches

2025 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 312/964-2000 Telex 27-0064

December 30, 1985

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Janet:

Quarterly Report of Waste Treatment Facility Re: (Covering November and December 1985)

Please be advised that we have received our analysis of our system, showing the following results:

Sample Date	PH	<u>Cyanide</u>	Copper	Silver	<u>Nickel</u>
11/12/85	8.48 - 8.71	.123*	1.3	.15	.23
11/20/85 11/26/85	7.90 - 8.49 8.17 - 8.41	.036 .022	4.4* 2.3	.09 .45*	.09 .12
12/Q3/85	8.04 - 8.30	.025	3.8*	.07	.16
12/09/85	8.16 - 8.66	.028	3.6*	.78*	.13
12/17/85 01/06/86	8.25 - 8.68 8.25 - 8.49	.016 .061	2.7 2.3	.14 .10	.16 .07

#### Discrepancy

11/12/85: Cyanide reading

of .123

#### Corrective Action

System was adjusted for higher level of Sodium Hypochlorite to destroy cyanide. Successive testing indicates problem is under control.

12/09/85: High levels of Copper

11/20/85, 12/03/85 and \_ \_ \_ A\_new\_plating-job-created a higher than normal level of Copper in effluent. A change in procedure (i.e., allowing basket of parts to adequately drain plating solution before emersing in rinse) was established.

### Discrepancy

11/26/85 & 12/09/85: High levels of Silver

### Corrective Action

Source unknown. Records indicate no silver plating on either day, nor was there any silver plating done on previous work days. Enviro-Test/Perry Laboratories was contacted, but they insist their tests were accurate. We verified that a leak or batch discharge did not occur. Concerning the reading of 12/09/85, we did silver plating on 12/05/85 and again on 12/13/85. No significant wastes were generated between those dates except the continued rinsing of the tanks. On 12/17/85, we silver plated but our reading was only .14 ppm. We will install a new silver bug.

No change in quantity of wastewater occurred during this period. There were no problems with solvents entering effluent.

Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

Sincerely,

Frank Essig Safety Director



# **Enviro-Test/Perry Laboratories, Inc.**

319 OGDEN AVENUE DOWNERS GROVE, IL 60515-3142

(312) 963-4672

IEPA 100186

#### **CERTIFIED LABORATORY REPORT**

IDPH 17134

October 10, 1985

Tricon Industries, Inc. Mr. Frank W. Essig 2325 Wisconsin Avenue Downers Grove, IL 60515

The samples identified below were submitted for analysis on 10-1, 10-2, 10-3, and 10-4-85.

Lab No.	Sample Identification	Copper	Nickel	Silver	Cyanide	
	DAILY MAX. FLLOWED	3.38	3.98	•43	162	mAX.
E8018	Wastewater 9-30-85	1.7	•07	•08	,	
E8019	Wastewater 10-1-85		0110	104	•035	
E8035	Wastewater 10-1-85	• 97	21.6	21.6	•	
E8036	Wastewater 10-2-85				.029	
E8046	Wastewater 10-2-85	2.1	1.9	•03		
E8047	Wastewater 10-3-85				.008	
E8061	Wastewater 10-3-85	1.9	1.8	.13		
E8062	Wastewater 10-4-85				.014	

## ALL RESULTS IN mg/L(PPM) UNLESS OTHERWISE NOTED

Testing is in accordance with procedures outlined in latest editions of:

- 1. Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WPCF.
- 2. Methods for Chemical Analysis of Water and Wastes, EPA.
- 3. "Water" ASTM Standards.
- 4. See comments above.

RALL

HOARD OF IRUSIEES
Hugh A. Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich



2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

June 5, 1985

Mr. Frank Essig Tricon Industries, Incorporated 2325 Wisconsin Avenue Downers Grove, Illinois 60515

Dear Mr. Essig:

As was discussed in our telephone conversation on Tuesday April 30, the discharge permit will become effective the date is is signed by representatives of Tricon. The permit will be effective for a period of five years, at which time Tricon is required to make application for renewal.

Your facility's tumbler/cleaning and plating operations' pretreated discharge is regulated by the Metal Finishing standards now because your facility is defined as a new source. This means the standards are to be met from the commencement of the discharge. The February 15, 1986 date applies to sources existing prior to promolgation of the Metal Finishing standards on August 31, 1982. If the self-monitoring results indicate your discharge will not meet the standards, a compliance schedule must be submitted which will assure compliance by February 15, 1986.

Section III (A) of the permit specifies that composite samples be collected proportionally to flow. This requirement is necessary due to the wide variation in flow depending what processes are operating. When compositing a sample proportionally to flow, you can either use the total flow between samples, as you proposed, or the flow occurring when a sample is collected. I would suggest using the current flow because you can perhaps estimate this from what processes and equipment are operating. The design plans for the treatment process described the vibratory finishing flow as 100 Gals./Hr. and the plating flow as 405 Gals./Hr. The flows do not have to be accurate as long as they are relatively precise.

As an example, if the vibratory finishing process operated from 0800-2400 Hrs. and the plating process from 1200-1800 Hrs., then you could composite each hour, 100 mL from 0900-1200 Hrs., 505 mL from 1300-1800 Hrs., and 100 mL from 1900-2400 Hrs. I used a sample to flow ratio of 1 mL per Gal./Hr. just as an example, the volume you use will depend on how much sample you require.

STAFF

Lawrence C. Cox Manager

Ralph E. Smith, Jr.

Shella K. Henschell Administrative Services

Douglas A Slansky



#### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

Contact Assemblies & Switches

2325 Wisconsin Avenue, Downers Grove, Illinois 60515 312/964-2330 Telex 72-1592

August 16, 1983

Mr. Lawrence Cox Manager, Downers Grove Sanitary District 2710 Curtiss St. Downers Grove, Illinois 60515

Dear Mr. Cox:

Per our telephone conversation of last week, I am writing to inform you that we would like to start using some acid solutions for cleaning and preparing parts. These parts would then be rinsed in water, and the rinse water would then go through our acid neutrilization pit before entering the sewer system. I am including a list of proposed items and request that you review these items. As you will see, the quantities are extremely small, and they would be dilluted as the only effluent would be the small quantities rinsed from the parts. We manufacture small switches and contact assemblies, and the acid cleaning will be required for some upcoming production.

We are requesting a permit either from you or the Illinois EPA. I am attaching a copy of our neutralization pit diagram.

I would like to stress that these quantities would be greatly dilluted in rinse water. At no time would they be poured directly into the sewer.

It is my understanding that we have had our effluent tested several times in the past when we were previously using these acid bathes. We again need to use them for cleaning, and I would appreciate your assistance.

Thank you for your assistance.

Sincerely,

Frank Essig

ITEM	CONTENTS	ANTICIPATED DISCHARGE RATE
10 % Nitric Solution	10 % Nitric Acid 90 % Water	Due to rinsing of parts. Approximately 1/2 gallon discharged per month.
20 % Nitric Solution	20 % Nitric Acid 80 % Water	Due to rinsing of parts approximately 1/2 gallon of solution would be discharged per month.
Rickel Solution	75 % Salfuric Acid 25 % Water	Due to rinsing of parts approximately 1/2 gallon of solution would be discharged in rinse water per month
Hydroflouric Solution	10 % Hydroflouric 90 % Water	Due to rinsing of parts approximately 1/2 pint of solution would be discharged in rinse water per month
Hydrocloric Solution	10 % Hydrocloric 90 % Water	Due to rinsing of parts Approximately 1/2 pint of solution would be discharged in rinse water per month
-E.D.T.A. Mixture	3 % Sodium Cyanide 1 1/2% Disodium Salt 95 1/2 % Water	Due to rinsing of parts approximately 2 gallons of solution would be discharged in rinse water per month
Isopropanol Alcohol Anhydrous	Alcohol	Approximately 5 gallons per month
Nickel Plating Solution	15 % Sodium Hypoph 5 % Nickel 10 % Thiourea .0004 % Lead 70 % Water & Non Hazardous materials	Approximately 1 gallon per month would be dischard as part of a rinse.

19.2 ounces per month
48.0 ounces per month
.4 ounces per month
.4 ounce per month
7.7 Ounces per month

Summary of approximate proposed total discharge:

Nitric Acid Sulfuric Acid

Hydroflouric Acid Hydrocloric Acid

Sodium Cyanide

# Summary Continued:

Disodium satt Isopro Alcohol Sodium Hypophosphite Thiourea

3.8 ounces per month 5 Gallon per month 19.2 ounces per month 12.8 ounces per month

# LARZA ENGINEERING COMPANY CONSULTING ENGINEERS

October 5, 1982

Tricon Industries 2325 Wisconsin Avenue Downers Grove, Illinois 60515

Attention: Mr. Bob Cameron

Plant Manager

Re: Downers Grove Sanitary District

Industrial Pretreatment Study

Dear Mr. Cameron,

The Downers Grove Sanitary District is currently developing its industrial wastewater pretreatment program. This program is described in some detail in a letter to you from Mr. Lawrence C. Cox dated August 25, 1982. As the District's engineering consultant, Harza is contacting the various businesses and industries within the District boundaries to determine the nature and quantity of any potential discharges to the sanitary sewers. This contact consists of an initial telephone contact followed up with a written questionnaire where additional information is required. As part of this program, we have also reviewed the information previously submitted by your firm to DGSD.

Please complete and return the enclosed questionnaire within the next seven days. Information gathered will document and/or supplement data gathered during our telephone contact, and will also serve to update DGSD's files. If you have any questions, please contact me.

Very truly yours,

Jitendra R. Ghia Project Manager

Enclosures: As noted

cc: Mr. Lawrence C. Cox

Downers Grove Sanitary District

w/o enclosure

# TRUSTEES: Roy W. Roush, Jr. Hugh A. Williams, Jr. Herbert R. Reich PROVIDING A BETTER ENVIRONMENT FOR SOUTH CENTRAL DU PAGE COUNTY REGION V

STAFF:
Manager
Lawrence C. Cox
Administrative Assistant
Sheila K. Henschel
Staff Engineer
Fraser S. Howe
Treatment Center
Superintendent
Ralph E. Smith
Attorney
Doualas A. Slansky

# Downers Grove Sanitary District

2710 CURTISS STREET DOWNERS GROVE, ILLINOIS 60515 312-969-0664

#### IMPORTANT NOTICE - PRETREATMENT PROGRAM

Color of Charles

August 25, 1982

#### Gentlemen:

The Downers Grove Sanitary District is required by regulations of the United States Environmental Protection Agency to develop a pretreatment program for controlling the discharge of industrial wastes into District sewers. Specifically, the intent of this pretreatment program will be the control of toxic pollutants to protect the safe and efficient operation of the District wastewater treatment facility, to preserve the environmental quality of local streams, and to insure economic and safe methods for disposal of the sludge generated at the District treatment facility. The District has received a federal grant to defray a portion of the costs of developing this program and has retained an engineering consultant, Harza Engineering Company of Chicago, Illinois, to develop this program for the District.

The first phase of this program is now underway and will involve the following tasks:

- 1) Identify all District users who may discharge wastes other than domestic sewage into District sewers.
- 2) Gather information from District users regarding the specific nature and volume of wastes discharged into District sewers. A large portion of this information will be obtained from an industrial survey conducted for the Illinois Environmental Protection Agency in 1980. You may have been one of the many industries contacted during that survey.
- 3) Perform analyses of the incoming wastewater, the treated wastewater, and the sludges generated at the District treatment facility to determine the types and amounts of pollutants which must be addressed in the program.
- 4) Evaluate all of the data obtained and develop the ordinances and procedures necessary to control the discharge of toxic substances into the District sewer system. These ordinances and procedures may require you to undertake measures to control your firm's process wastes or to monitor and report to the District the characteristics of these wastes.

The success of the District's pretreatment program depends to a large degree upon your cooperation. If you receive a mail questionnaire or you are contacted by a representative of Harza Engineering Company or the District regarding the nature of your process wastes, please provide an accurate response as quickly as possible. The District will provide you with an opportunity for input as this program is developed as well as an opportunity for comment when the proposed program is presented at a public hearing.

If you have any questions on this important program, please call me at 969-0664.

Very truly yours,

DOWNERS GROVE SANITARY DISTRICT

pureme C. Cox

Lawrence C. Cox

Manager

# HARZA ENGINEERING COMPANY CONSULTING ENGINEERS

October 5, 1982

Tricon Industries 5000-14 Chase Street Downers Grove, Illinois 60515

Attention: Mr. Bob Cameron

Re: Downers Grove Sanitary District Industrial Pretreatment Study

Dear Mr. Cameron,

The Downers Grove Sanitary District is currently developing its industrial wastewater pretreatment program. This program is described in some detail in a letter to you from Mr. Lawrence C. Cox dated August 25, 1982. As the District's engineering consultant, Harza is contacting the various businesses and industries within the District boundaries to determine the nature and quantity of any potential discharges to the sanitary sewers. This contact consists of an initial telephone contact followed up with a written questionnaire where additional information is required. As part of this program, we have also reviewed the information previously submitted by your firm to DGSD.

Please complete and return the enclosed questionnaire within the next seven days. Information gathered will document and/or supplement data gathered during our telephone contact, and will also serve to update DGSD's files. If you have any questions, please contact me.

Very truly yours,

Jitendra R. Ghia Project Manager

Enclosures: As noted

cc: Mr. Lawrence C. Cox

Downers Grove Sanitary District

w/o enclosure

#### DRGANIC SOLVENT MANAGEMENT PLAN

#### TRICOW INDUSTRIES, INC. 2325 Wisconsin Ave. Downers Grove, IL 40515

#### I. Process Description

Plant manufactures switches, contact assemblies, and insert molded assemblies. The forming and assembly processes include metal forming, degreesing, molding, scot-weiding, and tinal assembly.

Wastewaters from the manufacturing operations—are generated primarily from parts washing operations, and rinse waters. Wastewater treatment includes acid neutralization. The treatment effluent is discharged to the city sewer system. Solvents are not discharged into wastewaters.

#### II. Solvent Usage and Control

Plant operations in olve organic solvent usage, which can contain one or more of the one hundred eleven (III) organics regulated under the metal finishing pretreatment regulations. These may be used in the cleaning of components during various phases of ranufacture. All solvents are reclaimed. Solvents in use are presently limited to Perchlorethylene: 1.1.1 Trichloroethane, and Super Agitene.

#### SOLVENT MANAGEMENT PLAN

#### A. Inventory & Disposal Plan

 All incoming containers, containing regulated organic solvents and/or cleaners will be labeled upon receipt with the following information:

- $\mathcal{L}_{1}$ All immolant usage containers will be labeled 90 (10) O
- نان water washing. Cleaning parts will be allowed to an in drums for proper disposal. Spent solvents used for dry prior dry motor to any future cleaming will be collected
- ÷. All used and/or contaminated material will be stored in appropriately identified and labeled containers, and will be stored in a secured designated area until safe for reclamation or disposal by a licensed hazardous waste disposer.

# B. Franking

employees will be trained in these procedures immediately. All personnel working in these activities are familiar with this eplyent manageeliminate regulated organics ment plan and will follow the procedury established in that standard in the proper handing and disposel of solvents in order to leep All personnel involved in degreasing activities will receive instruction 010-95.10 containing materials out of industrial wastewater. from entering the water wash system.

Training consists of classroom instruction which reviews the following:

- --in which they are The organic solvenly known to be in use at the plant and the areas ிம்கள்.
- T. dispression of Solvent Management Plan and the respective solvents. The proper procedures <u>.</u> bear Hered

# C. . Imper tions

- -Degreesers will be inspected routingly by the area supervisor verify cleaning procedures and adherence to this solvent mana-ខាត់កា 6 น์ กรุมกล that TTO Joes not spill or leak into plant solvent manage-
- n.i resentative to verify proper solvent storage. Centrally located cleaning and solvent handling reuse and tion areas. as well as raw material and waste solven are35, will lection. be inspected weekly by a designated environmental raw material and waste solvent storage handling,

# D. Accidental Spull Misposel and Peperting Flan

(217/782-7860) will be made. Downers Grove Samitary District (312/965-0664). be initiated. the event of a spill, use of the approved Immediate notification to Frank Essig (312/759-6088). colvent clean-up bit will e (10. the Illinois

All material will the, be stored and laceler to a metal from. Haterial will be disposed of through a licensed bacardous waste disposed.

#### E. Implementation

All provisions of this plan have been fully implemented as of April 1, 1994.

Signature

Date

17.00 attached Solvent Hanagement Plan is for

- h con ladystojes, loc.
- ₹. J SSES Missipress Arenda
- τ., Downers Groze, 11 40515
- <u>-</u> Frank Essig. Revisionnel Manager, is responsible for SMP
- . \_ Parchlorethylege: [.]. Trichloroethamo: and Super Agi tene 10 11 11
- f.) These 55-gallon degree of Perchiosethylene e e e stored.
- ā. No tipo dealng 5 ≘torage 10 17 10 10
- :<del>-</del> No carbing acoust drums except for walls
- Storage erea adequate to contain spill without access to drains.
- Malorial will remain in acea until ധിയുകൻആദ് വളം
- Mo publing used in transport of solvents.
- 1., B) mechanical pump into degresser.
- 3. Visual imagedtion. (See attached)
- :.0.) C# 11:
- Frank Essig. SMP Manager
- ω m -Downers Grove Samitary District--312/969-0564 ESPG--217/782-7860

lic,e solvent clean-up hit.

50111 10 be drummed and disposed of by authorized source.

- 0. Solvenis are reclaimed. Hauled by H. Roskin Motor Service
- p. ] 84 breiding. posting of notices, etc.

#### DOWNERS GROVE SANITARY DISTRICT

#### SOLVENT MANAGEMENT PLAN

The Solvent Management Plan (SMP) should contain the following information:

- a. Company Name
- b. Business Address
- c. Facility Address for Plan (if different from b. above)
- d. The name and title of the person responsible for the SMP.
- e. A list of solvents and/or toxic organics used and stored.
- f. The maximum volume of each stored and the total volume of the storage tank(s).
- g. Are there any floor drains in the storage area(s)?
- h. Is curbing provided around the storage tank(s)? If so, what volume of solvent or toxic organic would be retained by the curbing if a leak developed?
- i. Draw a line diagram showing the facilities to provide for accidental spill containment. Give descriptions and locations of physical barriers (e.g., trenches, curbing, etc.), monitoring devices (e.g., pH meters, conductivity meters, etc.), the capacity of the spill containment area(s) and the locations of floor drains.
- j. If curbing is not provided, where will leaking material go?
- k. Is piping provided to transfer solvents or toxic organics from storage to a process location? If so, provide a diagram of the transfer system.
- 1. How are solvents and/or toxic organics transferred?
- m. What procedures are carried out to detect leaks and spills?
- n. What procedures are followed if a leak develops?
- o. How are solvents and/or toxic organics disposed of? Who hauls them and what is done with them (disposal, reclaimed, etc.)? Manifests should be kept on file for all solvents and toxics shipped out.
- p. How are employees informed as to proper disposal practices, handling practices, leak and spill detection and reporting requirements?

#### A PARTIAL LISTING OF SUBSTANCES WHICH

#### ARE PROHIBITED FROM DISCHARGE TO THE SANITARY SEWER SYSTEM

- A. Materials containing any one of the 129 priority pollutants
- B. Materials containing heavy metals (cadmium, copper, chromium, lead, mercury, nickel, silver, zinc).
- C. Solvents, including but not limited to the following:

Kerosene Naphthas Stoddard solvents Mineral spirits

Ethers

Petroleum distrillates

Alcohols

Esters

Heavy aromatics

Oleum spirits

Cellosolves

Ligroin

Cresylic acid

D. Solvents or other materials containing any of the following constituents:

di, tri, tetra-chloromethanes di, tri, tetra-chloroethanes

di, tri, tetra-chloroethylenes

Chlorinated fluorocarbons Chlorinated benzenes

Benzene Phenol Nitrobenzene Ethylbezene Toluene Xylene

Naphthalene

Cresol

からからは無くるとうないるまでまないかっとうというと

Methanol Butyl alcohol

Acetone

Methyl ethyl ketone Methyl isobutyl ketone

Ethyl acetate
Ethyl ether
Acrylonitrile
Carbon disulfide
Cyclohexane
Cyclohexanone

Pyridine

E. Gasoline, oil and grease are prohibited.

#### DOWNERS GROVE SANITARY DISTRICT

#### SOLVENT MANAGEMENT PLAN

The Solvent Management Plan (SMP) should contain the following information:

- a. Company Name
- b. Business Address
- c. Facility Address for Plan (if different from b. above)
- d. The name and title of the person responsible for the SMP.
- e. A list of solvents and/or toxic organics used and stored.
- f. The maximum volume of each stored and the total volume of the storage tank(s).
- g. Are there any floor drains in the storage area(s)?
- h. Is curbing provided around the storage tank(s)? If so, what volume of solvent or toxic organic would be retained by the curbing if a leak developed?
- i. Draw a line diagram showing the facilities to provide for accidental spill containment. Give descriptions and locations of physical barriers (e.g., trenches, curbing, etc.), monitoring devices (e.g., pH meters, conductivity meters, etc.), the capacity of the spill containment area(s) and the locations of floor drains.
- j. If curbing is not provided, where will leaking material go?
- k. Is piping provided to transfer solvents or toxic organics from storage to a process location? If so, provide a diagram of the transfer system.
- 1. How are solvents and/or toxic organics transferred?
- m. What procedures are carried out to detect leaks and spills?
- n. What procedures are followed if a leak develops?
- o. How are solvents and/or toxic organics disposed of? Who hauls them and what is done with them (disposal, reclaimed, etc.)? Manifests should be kept on file for all solvents and toxics shipped out.
- p. How are employees informed as to proper disposal practices, handling practices, leak and spill detection and reporting requirements?

#### DOWNERS GROVE SANITARY DISTRICT

#### ACCIDENTAL SPILL DISPOSAL AND REPORTING PLAN

The following information should be included when describing the practices followed at your facility for disposing of spilled solvents or toxic materials:

- a. The name and title of the person responsible for the accidental spill disposal and reporting plan.
- b. For each solvent and/or toxic organic listed in your solvent management plan, what specific course of action will be taken to detect, clean-up, dispose of, and report any accidental or deliberate spill of these materials?
- c. How are your employees informed of these plans?
- d. If there is a discharge of these materials, who shall be notified and when?

#### SEMI-ANNUAL ACCIDENTAL SPILL REPORTS

Twice yearly, in July and January, the User shall submit to the Downers Grove Sanitary District a report describing the occurrence of any accidental or deliberate spills, what was done to clean-up and dispose of the spilled material, who was notified of the spill and what steps have been taken to avoid a recurrence.

If no spill has occurred during the reporting period, the following certification statement must be reported:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled in to the waste waters since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District."

These reports should be signed by an authorized agent of the User and submitted by the twentieth day of July and January for the period covering the two previous calendar quarters.

#### ORGANIC SOLVENT MANAGEMENT PLAN

# Tricon Brazing Alloys 5000 Chase Street

#### I. Process Description

Plant manufactures brazing preform shapes. The forming processes include metal forming and degreasing.

Wastewaters are not generated by this facility.

#### II. Solvent Usage and Control

Plant operations involve organic solvent usage, which can contain one or more of the one hundred eleven (111) organics regulated under the metal finishing pretreatment regulations. These may be used in the cleaning of components during various phases of manufacture. All solvents are reclaimed. Solvents in use are presently limited to Perchloroethylene.

#### SOLVENT MANAGEMENT PLAN

#### A. Inventory & Disposal Plan

All incoming containers, containing regulated organic solvents and/or cleaners will be labeled upon receipt with the following information:

- 2. All in-plant usage containers will be labeled as above.
- 3. Cleaning parts will be allowed to air dry prior to any future water washing. Spent solvents used for cleaning will be collected in drums for proper disposal.
- 4. All used and/or contaminated material will be stored in appropriately identified and labeled containers, and will be stored in a secured designated area until sale for

reclamation or disposal by a licensed hazardous waste disposer.

#### B. Training

All personnel involved in degreasing activities will receive instruction in the proper handling and disposal of solvents in order to keep regulated organic containing materials out of industrial wastewater. New employees will be trained in these activities are familiar with this solvent management plan and will follow the procedure established in that standard to eliminate regulated organics from entering the water wash system.

Training consists of classroom instruction which reviews the following:

- 1. The organic solvents known to be in use at the plant and the areas in which they are used.
- 2. The Solvent Management Plan and the proper procedures for handling and disposing of the respective solvents.

#### C. Inspections

- Degreasers will be inspected routinely by the area supervisor to verify cleaning procedures and adherence to this solvent management plan to insure that TTO does not spill or leak into plant sewers.
- 2. Centrally located cleaning and solvent handling reuse and collection areas, as well as raw material and waste solvent storage areas, will be inspected weekly by a designated environmental representative to verify proper solvent storage, handling and collection.

#### D. Accidental Spill Disposal and Reporting Plan

In the event of a spill, use of the approved solvent cleanup kit will be initiated. Immediate notification of Frank Essig (759-6088), the Downers Grove Sanitary District (969-0664) and the Illinois ESDA (217-782-7860) will be made.

All material will then be stored and labeled in a metal drum. Material will be disposed of through a licensed hazardous waste disposer.

#### E. Implementation

All provisions of this plan will be fully implemented by April 1, 1984.

#### ORGANIC SOLVENT MANAGEMENT PLAN

# TRICON INDUSTRIES, INC. 2325 Wisconsin Ave.

#### I. Process Description

Plant manufactures switches, contact assemblies, and insert molded assemblies. The forming and assembly processes include metal forming, degreasing, molding, spot welding and final assembly.

Wastewaters from the manufacturing operations are generated primarily from parts washing operations, and rinse waters. Wastewater treatment includes acid neutralization. The treatment effluent is discharged to the city sewer system. Solvents are not discharged into wastewaters.

#### II. Solvent Usage and Control

Plant operations involve organic solvent usage, which can contain one or more of the one hundred eleven (111) organics regulated under the metal finishing pretreatment regulations. These may be used in the cleaning of components during various phases of manufacture. All Solvents are reclaimed. Solvents in use are presently limited to Perchloroethylene and 1,1,1 Trichloroethane.

#### SOLVENT MANAGEMENT PLAN

#### A: Inventory & Disposal Plan

All incoming containers, containing regulated organic solvents and/or cleaners will be labeled upon receipt with the following information:

Material Contains Regulated Organic Solvents

1. Use only in designated areas

\* \* \* \* \* \* \*

- Do not permit this material to enter sewers, drains or wastewater streams. Material to be reclaimed.
- 3. Dispose of only in designated and identified containers.
- 2. All in-plant usage containers will be labeled as above.

- 3. Cleaning parts will be allowed to air dry prior to any future water washing. Spent solvents used for cleaning will be collected in drums for proper disposal.
- 4. All used and/or contaminated material will be stored in appropriately identified and labeled containers, and will be stored in a secured designated area until sale for reclamation or disposal by a licensed hazardous waste disposer.

#### B. Training

All personnel involved in degreasing activities will receive instruction in the proper handling and disposal of solvents in order to keep regulated organic containing materials out of industrial wastewater. New employees will be trained in these procedures immediately. All personnel working in these activities are familiar with this solvent management pland and will follow the procedure established in that standard to eliminate regulated organics from entering the water wash system.

Training consists of classroom instruction which reviews the following:

- 1. The organic solvents known to be in use at the plant and the areas in which they are used.
- 2. The Solvent Management Plan and the proper procedures for handling and disposing of the respective solvents.

#### C. Inspections

- 1. Degreasers will be inspected routinely by the area supervisor to verify cleaning procedures and adherence to this solvent management plan to insure that TTO does not spill or leak into plant sewers.
- 2. Centrally located cleaning and solvent handling reuse and collection areas, as well as raw material and waste solvent storage areas, will be inspected weekly by a designated environmental representative to verify proper solvent storage, handling and collection.

#### D. Accidental Spill Disposal and Reporting Plan

In the event of a spill, use of the approved solvent cleanup kit will be initiated. Immediate notification of Frank Essig (759-6088), The Downers Grove Sanitary District (969-0664) and the Illinois ESDA (217-782-7860) will be made. All material will then be stored and labeled in a metal drum. Material will be disposed of through a licensed hazardous waste disposer.

#### E. Implementation

All provisions of this plan will be fully implemented by April 1, 1984.





April 4, 2002 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

# RE: Quarterly Report Waste Treatment Facility (January 1, through March 31, 2002)

#### Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	Grab	sample					
Date	pН	Total Cyanide	Sample	Copper	Nickel	Silver	Zinc
01/03/02	7.42 - 8.12	<.01	Composite	.06	.11	<.03	<.05
01/14/02	7.54 - 8.10	<.01	Composite	.24	<.005	< .003	.21
01/28/02	7.49 - 8.15	<.01	Composite	.06	.08	<.003	<.02
02/06/02	7.76 - 8.23	<.01	Composite	.18	.07	.01	.03
02/18/02	7.10 - 8.24	<.01	Composite	.88	.00.	.02	.05
02/25/02	7.25 - 8.33	.02	Composite	1.7	<.005	.02	.05
03/04/02	7.23 - 8.26	.03	Composite	1.0	.03	.008	.03
03/18/02	7.60 - 8.23	.01	Composite	.93	.04	.0 <del>6</del>	.03
03/25/02	7.89 - 8.18	<.01	Composite	.46	.07	.07	.05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
01/01/02	Tuesday	Holiday	0
01/02/02	Wednesday	4970	10
01/03/02	Thursday	5140	10
01/04/02	Friday	4960	10
01/07/02	Monday	4240	10
01/08/02	Tuesday	4610	10
01/09/02	Wednesday	3050	10
01/10/02	Thursday	2740	8
01/11/02	Friday	3640	8
01/14/02	Monday	4580	8
01/15/02	Tuesday	4780	8
01/16/02	Wednesday	3440	10
01/17/02	Thursday	<b>2</b> 660	8
01/18/02	Friday	1770	8
01/21/02	Monday	2790	8
01/22/02	Tuesday	2100	8
01/23/02	Wednesday	4220	8
01/24/02	Thursday	3410	8
01/25/02	Friday	3830	8
01/28/02	Monday	4340	8
01/29/02	Tuesday	2350	8
01/30/02	Wednesday	4170	8
01/31/02	Thursday	3820	8
02/01/02	Friday	4830	8
02/04/02	Monday	1570	8
02/05/02	Tuesday	3840	8
02/06/02	Wednesday	3390	8
02/07/02	Thursday	3220	· 8
02/08/02	Friday	2450	8
02/11/02	Monday	2740	8
02/12/02	Tuesday	1960	8

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
02/13/02	Wednesday	4140	8
02/14/02	Thursday	4890	8
02/15/02	Friday	3920	8
02/18/02	Monday	4370	8
02/19/02	Tuesday	<b>254</b> 0	8
02/20/02	Wednesday	3210	4
02/21/02	Thursday	3790	8
02/22/02	Friday	3980	8
02/25/02	Monday	3360	8
02/26/02	Tuesday	3420	8
02/27/02	Wednesday	4650	8
02/28/02	Thursday	4130	8
03/01/02	Friday	6570	8
03/04/02	Monday	4580	8
03/05/02	Tuesday	5200	8
03/6/02	Wednesday	4610	8
03/07/02	Thursday	5280	8
03/08/02	Friday	5690	10
03/11/02	Monday	4090	10
03/12/02	Tuesday	5340	10
03/13/02	Wednesday	5070	10
03/14/02	Thursday	5310	10
03/15/02	Friday	<b>747</b> 0	10
03/18/02	Monday	5010	10
03/19/02	Tuesday	4760	8
03/20/02	Wednesday	5090	8
03/21/02	Thursday	4200	8
03/22/02	Friday	5290	8
03/25/02	Monday	6190	8
03/26/02	Tuesday	6420	8
03/27/02	Wednesday	6700	8
03/28/02	Thursday	6500	8
03/29/02	Friday	Holiday	0

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel Plant Manager





January 7, 2002 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (October 1, through December 31, 2001)

#### Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	Grab	sample					
Date	pН	Total Cyanide	Sample	Copper	Nickel	Silver	Zinc
10/01/01	7.52 - 8.17	<.01	Composite	.15	.08	<.05	<.05
10/15/01	7.28 - 8.15	<.01	Composite	.05	.16	<.05	<.05
10/24/01	7.48 - 8.01	.03	Composite	10	<.05	<.05	<.05
11/01/01	7.33 - 8.07	.05	Composite	.38	<.05	<.05	<.05
11/12/01	7.75 - 8.14	<.01	Composite	.09	.12	<.05	<.05
11/27/01	7.50 - 8.17	<:01	Composite	.05	.10	<.05	<.05
12/03/01	7.67 - 8.22	<.01	Composite	.42	<.05	<.05	.07
12/10/01	7.38 - 8.15	<.01	Composite	.52	<.05	<.05	<.05
12/20/01	7.68 - 8.09	<.01	Composite	.46	<.05	<.05	<.05

11/01/01 Semi-annual special test: Cadmium <.02 Chromium <.05 Lead <.05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
10/01/01	Monday	3830	10
10/02/01	Tuesday	3910	8
10/03/01	Wednesday	4030	10
10/04/01	Thursday	4510	10
10/05/01	Friday	<b>54</b> 60	10
10/08/01	Monday	5130	10
10/09/01	Tuesday	5080	10
10/10/01	Wednesday	3530	10
10/11/01	Thursday	3330	10
10/12/01	Friday	5530	10
10/15/01	Monday	5790	12
10/16/01	Tuesday	5470	10
10/17/01	Wednesday	5160	10
10/18/01	Thursday	3860 <sup>-</sup>	10
10/19/01	Friday	5460	10
10/22/01	Monday	3580	12
10/23/01	Tuesday	4060	7
10/24/01	Wednesday	4620	10
10/25/01	Thursday	2830	10
10/26/01	Friday	5020	10
10/29/01	Monday	<b>48</b> 60	10
10/30/01	Tuesday	5250	10
10/31/01	Wednesday	5510	10
11/01/01	Thursday	4930	10
11/02/01	Friday	2950	10
11/05/01	Monday	<b>469</b> 0	10
11/06/01	Tuesday	3240	10
11/07/01	Wednesday	<b>242</b> 0	10
11/08/01	Thursday	4110	10
11/09/01	Friday	3470	10
11/12/01	Monday	2350	9
11/13/01	Tuesday	4670	10

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
			10
11/14/01	Wednesday	2460	10
11/15/01	Thursday	4150	10
11/16/01	Friday	4790	10
11/19/01	Monday	3240	10
11/20/01	Tuesday	2753	8
11/21/01	Wednesday	5110	10
11/22/01	Thursday	0	Holiday
11/23/01	Friday	0	Holiday
11/26/01	Monday	4980	10
11/27/01	Tuesday	5330	10
11/28/01	Wednesday	1530	10
11/29/01	Thursday	5420	10
11/30/01	Friday	<b>47</b> 60	10
12/03/01	Monday	4570	10
12/04/01	Tuesday	1710	9
12/05/01	Wednesday	4390	10
12/06/01	Thursday	53 <del>9</del> 0	10
12/07/01	Friday	3260	10
12/10/01	Monday	4970	8
12/11/01	Tuesday	3910	10
12/12/01	Wednesday	5390	10
12/13/01	Thursday	4630	10
12/14/01	Friday	5310	8
12/17/01	Monday	4730	10
12/18/01	Tuesday	4060	10
12/19/01	Wednesday	4210	10
12/20/01	Thursday	4970	10
12/21/01	Friday	4290	8
12/24/01	Monday	• 0	Holiday
12/25/01	Tuesday	0	Holiday
12/26/01	Wednesday	4740	10
12/27/01	Thursday	2610	10
12/28/01	Friday	4710	8
12/31/01	Monday	0	Holiday

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Plant Manager





October 5, 2001 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

# RE: Quarterly Report Waste Treatment Facility (July 1, through September 30, 2001)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	Grab	sample					
Date	pΗ	Total Cyanide	Sample	Copper	Nickel	Silver	Zinc
07/02/01	7.36 - 8.12	<.01	Composite	.91	.21	<.05	<.05
07/16/01	7.49 - 8.17	<.01	Composite	.11	.20	<.05	<.05
07/23/01	7.27 - 8.09	<.01	Composite	.20	<.05	<.05	<.05
08/01/01	7.41 - 8.03	<.01	Composite	.13	.09	<.05	<.05
08/13/01	7.37 - 8.14	<.01	Composite	.37	<.05	<.05	<.05
08/27/01	7.50 - 8.20	<.01	Composite	.93	.07	<.05	<.05
09/10/01	7.41 - 8.13	.01	Composite	.93	.08	<.05	<.05
09/17/01	7.43 - 8.18	.03	Composite	.59	.11	.08	<.05
09/24/01	7.03 - 8.07	<.01	Composite	.43	<.05	<.05	<.05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
07/02/01	Monday	5260	10
07/03/01	Tuesday	6880	10
07/04/01	Wednesday	0	Holiday
07/05/01	Thursday	3430	9
07/06/01	Friday	3730	9
07/09/01	Monday	4140	10
07/10/01	Tuesday	<b>457</b> 0	9
07/11/01	Wednesday	4440	8
07/12/01	Thursday	5620	10
07/13/01	Friday	5180	10
07/16/01	Monday	5730	8
07/17/01	Tuesday	4570	10
07/18/01	Wednesday	<b>469</b> 0	10
07/19/01	Thursday	4070	10
07/20/01	Friday	5400	9
07/23/01	Monday	4120	8
07/24/01	Tuesday	3770	10
07/25/01	Wednesday	5910	10
07/26/01	Thursday	<b>524</b> 0	10
07/27/01	Friday	1960	10
07/30/01	Monday	1440	9
07/31/01	Tuesday	4430	10
08/01/01	Wednesday	4670	10
08/02/01	Thursday	3080	8
08/03/01	Friday	3780	8
08/06/01	Monday	4390	10
08/07/01	Tuesday	5850	10
08/08/01	Wednesday	4210	10
08/09/01	Thursday	5890	10
08/10/01	Friday	4190	10
08/13/01	Monday	5880	10
08/14/01	Tuesday	5160	10

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
08/15/01	Wednesday	5380	10
08/16/01	Thursday	4130	10
08/17/01	Friday	5110	10
08/20/01	Monday	4490	9
08/21/01	Tuesday	3560	8
08/22/01	Wednesday	4870	8
08/23/01	Thursday	5530	8
08/24/01	Friday	4770	8
08/27/01	Monday	5450	10
08/28/01	Tuesday	5340	10
08/29/01	Wednesday	5710	10
08/30/01	Thursday	3870	10
08/31/01	Friday	6450	10
09/03/01	Monday	0	Holiday
09/04/01	Tuesday	4700	8
09/05/01	Wednesday	2710	8
09/06/01	Thursday	4600	8
09/07/01	Friday	3540	8
09/10/01	Monday	5260	8
09/11/01	Tuesday	4350	10
09/12/01	Wednesday	3710	10
09/13/01	Thursday	6040	10
09/14/01	Friday	4030	10
09/17/01	Monday	5140	8
09/18/01	Tuesday	2560	10
09/19/01	Wednesday	4010	10
09/20/01	Thursday	3170	10
09/21/01	Friday	<b>2</b> 640	10
09/24/01	Monday	4540	10
09/25/01	Tuesday	5250	10
09/26/01	Wednesday	4140	10
09/27/01	Thursday	5610	10
09/28/01	Friday	5190	10

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely.

Mr. Larry McDaniel Plant Manager





July 10, 2001 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

# RE: Quarterly Report Waste Treatment Facility (April 1, through June 30, 2001)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	Grab	sample					
Date	pН	Total Cyanide	Sample	Copper	Nickel	Silver	Zinc
04/02/01	7.23 - 8.04	.01	Composite	.32	<.05	.09	.22
04/16/01	7.50 - 8.12	<.01	Composite	.15	.11	<.05	<.05
04/23/01	7.27 - 8.09	.02	Composite	. <b>2</b> 9	.16	.06	<.05
05/01/0:	7.22 - 8.09	<.01	Composite	.13	<.05	<.05	<.05
05/16/01	7.41 - 8.14	<.01	Composite	.15	.11	<.05	<.05
05/30/01	7.37 - 8.07	<.01	Composite	.07	.12	<.05	.06
06/04/01	7.26 - 8.13	<.01	Composite	.17	<.05	< .05	.10
06/19/01	7.37 - 8.09	.02	Composite	.41	<.05	<.05	<.05
06/25/01	7.48 - 8.08	<.01	Composite	.13	<.05	<.05	<.05

05/01/01 Semi-annual special test: Cadmium <.02 Chromium <.05 Lead <.05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
04/02/01	Monday	5110	10
04/03/01	Tuesday	2680	10
04/04/01	Wednesday	5390	10
04/05/01	Thursday	5550	10
04/06/01	Friday	5630	10
04/09/01	Monday	5110	10
04/10/01	Tuesday	5640	10
04/11/01	Wednesday	5090	10
04/12/01	Thursday	3890	10
04/13/01	Friday	0	Holiday
04/16/01	Monday	3680	10
04/17/01	Tuesday	5610	10
04/18/01	Wednesday	2040	8
04/19/01	Thursday	4010	10
04/20/01	Friday	5960	10
04/23/01	Monday	5220	10
04/24/01	Tuesday	5660	10
04/25/01	Wednesday	4750	10
04/26/01	Thursday	5210	10
04/27/01	Friday	5930	10
04/30/01	Monday	3690	10
05/01/01	Tuesday	5120	10
05/02/01	Wednesday	3210	10
05/03/01	Thursday	6400	10
05/04/01	Friday	5860	10
05/07/01	Monday	<b>472</b> 0	10
05/08/01	Tuesday	5090	10
05/09/01	Wednesday	4510	10
05/10/01	Thursday	4320	10
05/11/01	Friday	2510	8
05/14/01	Monday	5400	10
05/15/01	Tuesday	3140	10

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
05/16/01	Wednesday	5870	10
05/17/01	Thursday	4720	8
05/18/01	Friday	4610	10
05/21/01	Monday	4720	10
05/22/01	Tuesday	5830	10
05/23/01	Wednesday	5420	10
05/24/01	Thursday	3910	10
05/25/01	Friday	4490	8
05/28/01	Monday	0	Holiday
05/29/01	Tuesday	5190	10
05/30/01	Wednesday	5630	10
05/31/01	Thursday	6050	8
06/01/01	Friday	5340	10
06/04/01	Monday	5160	10
06/05/01	Tuesday	5250	10
06/06/01	Wednesday	<b>426</b> 0	10
06/07/01	Thursday	5270	10
06/08/01	Friday	5490	10
06/11/01	Monday	5340	10
06/12/01	Tuesday	5160	10
06/13/01	Wednesday	4920	10
06/14/01	Thursday	6080	10
06/15/01	Friday	5930	8
06/18/01	Monday	2510	8
06/19/01	Tuesday	5450	10
06/20/01	Wednesday	5240	10
06/21/01	Thursday	5090	10
06/22/01	Friday	6590	10
06/25/01	Monday	4520	10
06/26/01	Tuesday	5780	10
06/27/01	Wednesday	5150	10
06/28/01	Thursday	5640	10
06/29/01	Friday	5420	10

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Mr. Larry McDaniel
Plant Manager

Plant Manager





April 10, 2001 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

# RE: Quarterly Report Waste Treatment Facility (January 1, through March 31, 2001)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	Grab	sample					
Date	pН	Total Cyanide	Sample	Copper	Nickel	Silver	Zinc
01/03/01	7.07 - 8.07	<.01	Composite	.25	<.05	<.05	.06
01/15/01	7.43 - 8.10	<.01	Composite	1.7	.06	.11	.07
01/22/01	7.27 - 8.15	<.01	Composite	.18	<.05	<.05	<.05
02/02/01*	N/A	N/A	Composite	.43	N/A	.05	<.05
02/05/01	7.22 - 8.10	.01	Composite	.11	.23	<.05	<.05
02/19/01	7.07 - 8.19	<.01	Composite	.35	.23	<.05	.11
02/26/01	7.19 - 8.13	.03	Composite	1.8	.05	.07	.09
03/05/01	7.75 - 8.09	<.01	Composite	.33	.29	.07	.08
03/19/01	7.32 - 8.21	<.01	Composite	.78	.06	.17	.11
03/26/01	7.33 - 8.14	.03	Composite	.79	.07	.12	<.05

#### \* Quality check

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	<b>OPERATION</b>
01/02/01	Tuesday	6470	10
01/03/01	Wednesday	5630	10
01/04/01	Thursday	4930	8
01/05/01	Friday	6150	10
01/08/01	Monday	6630	10
01/09/01	Tuesday	4460	8
01/10/01	Wednesday	6190	10
01/11/01	Thursday	5730	10
01/12/01	Friday	6610	10
01/15/01	Monday	6830	10
01/16/01	Tuesday	6490	10
01/17/01	Wednesday	6170	11
01/18/01	Thursday	6330	10
01/19/01	Friday	6180	8
01/22/01	Monday	6570	8
01/23/01	Tuesday	4450	8
01/24/01	Wednesday	6180	8
01/25/01	Thursday	5030	8
01/26/01	Friday	5480	8
01/29/01	Monday	6150	8
01/30/01	Tuesday	6390	8
01/31/01	Wednesday	5020	8
02/01/01	Thursday	6230	8
02/02/01	Friday	4590	8
02/05/01	Monday	<b>42</b> 80	8
02/06/01	Tuesday	6240	8
02/07/01	Wednesday	2940	8
02/08/01	Thursday	4170	8
02/09/01	Friday	2660	8
02/12/01	Monday	2370	9
02/13/01	Tuesday	830	8
•	j		

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
02/14/01	Wednesday	0	0
02/15/01	Thursday	<del>9</del> 70	8
02/16/01	Friday	4190	8
02/19/01	Monday	<b>588</b> 0	10
02/20/01	Tuesday	5910	10
02/21/01	Wednesday	5320	10
02/22/01	Thursday	5520	10
02/23/01	Friday	6170	10
02/26/01	Monday	5610	10
02/27/01	Tuesday	5580	10
02/28/01	Wednesday	4110	10
03/01/01	Thursday	6070	10
03/02/01	Friday	5810	10
03/05/01	Monday	6390	10
03/06/01	Tuesday	6130	10
03/07/01	Wednesday	5730	10
03/08/01	Thursday	5530	10
03/09/01	Friday	6110	10
03/12/01	Monday	6640	10
03/13/01	Tuesday	6190	10
03/14/01	Wednesday	6370	10
03/15/01	Thursday	5580	10
03/16/01	Friday	6150	10
03/19/01	Monday	5740	10
03/20/01	Tuesday	3190	10
03/21/01	Wednesday	4780	9
03/22/01	Thursday	5610	10
03/23/01	Friday	5300	10
03/26/01	Monday	4730	8
03/27/01	Tuesday	4880	10
03/28/01	Wednesday	5170	10
03/29/01	Thursday	3770	10
03/30/01	Friday	4710	8

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Tarry McDaniel

Plant Manager





January 10, 2001 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

## RE: Quarterly Report Waste Treatment Facility (October 1, through December 31, 2000)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	Grab	sample	•				
Date	pН	Total Cyanide	Sample	Соррег	Nickel	Silver	Zinc
10/02/00	7.25 - 8.21	.01	Composite	1.2	.34	<.05	<.05
10/11/00	7.41 - 8.22	<.01	Composite	.18	.05	< .05	<.05
10/23/00	7.09 - 8.19	<.01	Composite	.22	<.05	<.05	<.05
11/01/00	7.10 - 8.17	<.01	Composite	.11	<.05	< .05	< 05
11/13/00	7.07 - 8.04	.01	Composite	.74	<.05	<.05	<.05
11/28/00	7.42 - 8.06	.01	Composite	.76-	.05	< 05	<.05
12/05/00	7.38 - 8.08	<.01	Composite	<.05	.08	<.05 .	<.05
12/18/00	7.37 - 8.03	<.01	Composite -	.41	.07	<.05-	<.05
12/21/00	7.22 - 8.13	.02	Composite	.88	.07	<.05	<.05

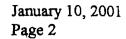
11/01/00 Semi-annual special test:

Cadmium < .02 Chromium < .05 lead .00

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District.





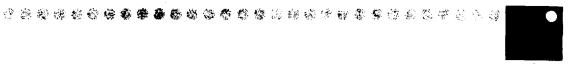
		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
10/02/00	Monday	5460	10
10/03/00	Tuesday	5610	10
10/04/00	Wednesday	<b>484</b> 0	10
10/05/00	Thursday	4970	10
10/06/00	Friday	<b>5810</b>	10
10/09/00	Monday	6230	10
10/10/00	Tuesday	<b>5410</b> -	10
10/11/00	Wednesday	4740	10
10/12/00	Thursday -	<b>379</b> 0	10
10/13/00	Friday	4430	10
10/16/00	Monday .	<del>39</del> 60-	10
10/17/00	Tuesday	4010	10
10/18/00	Wednesday	<b>459</b> 0	10
10/19/00	Thursday	4260	10
10/20/00	Friday	6 <del>750</del>	10
10/21/00	Saturday	2580	4
10/23/00	Monday	5 <del>650</del>	10
10/24/00	Tuesday	4710	10
10/25/00	Wednesday	<b>5980</b>	10
10/26/00	Thursday	5240	10
10/27/00	Friday	<del>618</del> 0	10
10/30/00	Monday	3540	10
10/31/00	Tuesday	<b>4950</b> -	10
11/01/00	Wednesday	5680	10
11/02/00	Thursday	58 <del>80</del>	10
11/03/00	Friday	6030	8
11/06/00	Monday -	4490	10
11/07/00	Tuesday	5520	10
11/08/00	Wednesday	<b>568</b> 0-	10
11/09/00	Thursday	5950	10
11/10/00	Friday	6640	10
11/13/00	Monday	4590	10
11/14/00	Tuesday	3620	10



January 10, 2001 Page 3

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
11/15/00	Wednesday	5580	10
11/16/00	Thursday	5040 <sup>-</sup>	10
11/17/00	Friday	6140	10
11/20/00	Monday	<b>3890</b>	10
11/21/00	Tuesday	5880	10
11/22/00	Wednesday	6190	10
11/23/00	Thursday	Holiday	0
11/24/00	Friday	Holiday -	0
11/27/00	Monday	6740	10
11/28/00	Tuesday	<b>5730</b>	10
11/29/00	Wednesday	6150	10
11/30/00	Thursday	5770 <sup>-</sup>	10
12/01/00	Friday	3180	10
12/04/00	Monday	5 <del>19</del> 0	8
12/05/00	Tuesday	6060	10
12/06/00	Wednesday	6 <del>19</del> 0 -	10
12/07/00	Thursday	4530	10
12/08/00	Friday	5130	10
12/11/00	Monday	4960	10
12/12/00	Tuesday	<b>6180</b> -	10
12/13/00	Wednesday	5720	10
12/14/00	Thursday	61 <del>60</del>	10
12/15/00	Friday	6490	10
12/18/00	Monday	<del>65</del> 30-	10
12/19/00	Tuesday	6190	10
12/20/00	Wednesday	5 <del>920</del> -	10
12/21/00	Thursday	6050	10
12/22/00	Friday	55 <del>2</del> 0	10
12/25/00	Monday	Holiday	0
12/26/00	Tuesday	Holiday	0
12/27/00	Wednesday	6340	10
12/28/00	Thursday	5 <del>960</del> -	10
12/29/00	Friday	Holiday	0





January 10, 2001 Page 4

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel Plant Manager





October 9, 2000 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (July 1, through September 30, 2000)

#### Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Grab sample					
Date	pН	Total Cyanide	Sample	Copper	Silver	Nickel	Zinc
07/10/00	7.40 - 8.30	.01	Composite	.13	<.05	.10	<.05
07/17/00	7.09 - 8.00	.02	Composite	.65	<.05	.09	.06
07/24/00	7.35 - 8.23	.01	Composite	.08	.07	.06	<.05
08/07/00	7.11 - 8.26	<.01	Composite	<.05	<.05	.14	<.05
08/16/00	7.08 - 8.27	<.01	Composite	.36	.06	.06	<.05
08/28/00	6.99 - 8.23	<.01	Composite	.24	<.05	.05	<.05
09/12/00	7.23 - 8.29	<.01	Composite	.26	<.05	.08	.07
09/18/00	7.07 - 7.33	<.01	Composite	.62	<.05	.09	.14
09/25/00	7.08 - 8.21	< 01	Composite	.38	<.05	.07	<.05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
07/03/00	Monday	0	Holiday
07/04/00	Tuesday	0	Holiday
07/05/00	Wednesday	3910	8
07/06/00	Thursday	5370	8
07/07/00	Friday	5100	8
07/08/00	Saturday	6220	9
07/10/00	Monday	6180	10
07/11/00	Tuesday	4810	10
07/12/00	Wednesday	6570	10
07/13/00	Thursday	6430	10
07/14/00	Friday	6870	10
07/17/00	Monday	4220	10
07/18/00	Tuesday	5550	10
07/19/00	Wednesday	6440	10
07/20/00	Thursday	5270	10
07/21/00	Friday	6380	10
07/24/00	Monday	4010	8
<b>07/25/00</b>	Tuesday	5850	8
07/26/00	Wednesday	2910	8
07/27/00	Thursday	3580	8
07/28/00	Friday	<b>424</b> 0	8
07/31/00	Monday	4150	8
08/01/00	Tuesday	2820	8
08/02/00	Wednesday	4460	8
08/03/00	Thursday	4290	8
08/04/00	Friday	6640	8
08/07/00	Monday	5110	10
08/08/00	Tuesday	5290	10
08/09/00	Wednesday	6460	10
08/10/00	Thursday	2662	10
08/11/00	Friday	4540	10
08/14/00	Monday	6060	10
08/15/00	Tuesday	6580	10

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
DAIL	2122	(	
08/16/00	Wednesday	4730	10
08/17/00	Thursday	6210	10
08/18/00	Friday	4430	10
08/21/00	Monday	6250	10
08/22/00	Tuesday	5720	10
08/23/00	Wednesday	6080	10
08/24/00	Thursday	5770	10
08/25/00	Friday	5930	10
08/28/00	Monday	5250	10
08/29/00	Tuesday	4310	10
08/30/00	Wednesday	5090	10
08/31/00	Thursday	5420	10
09/01/00	Friday	6770	10
09/04/00	Monday	• 0	Holiday
09/05/00	Tuesday	4750	10
09/06/00	Wednesday	5550	10
09/07/00	Thursday	5610	10
09/08/00	Friday	2100	10
09/11/00	Monday	6310	10
09/12/00	Tuesday	5910	10
09/13/00	Wednesday	5850	10
09/14/00	Thursday	6480	10
09/15/00	Friday	6270	10
09/18/00	Monday	6040	10
09/19/00	Tuesday	3580	10
09/20/00	Wednesday	6760	10
09/21/00	Thursday	5090	10
09/22/00	Friday	6130	10
09/25/00	Monday	6160	10
09/26/00	Tuesday	6030	10
09/27/00	Wednesday	6240	10
09/28/00	Thursday	6080	10
09/29/00	Friday	4150	10

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Plant Manager



July10, 2000 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (April 1, through June 30, 2000)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Grab sample					. ]	
Date	pН	Total Cyanide	Sample	Copper	Silver	Nick	el Zinc	
4-6-00	7.07 - 8.20	<.01	Composite	.75	<.05,	<.05	<.05	
4-17-00	7.03 - 8.17	<.01	Composite	.24	<.05	.06	<.05	
4-25-00	7.07 - 8.19	<.01	Composite	.34	< .05	.13	<.05	
5-1-00	7.05 - 8.20	<.01	Composite	.12	<.05	<.05	<.05	
5-15-00	6.98 - 8.00	<.01	Composite	1.3	<.05	.06	.08	
5-22-00	7.11 - 8.19	.02	Composite	.76	.06	.10	.06	
6-5-00	7.18 - 8.26	<.01	Composite	.07	<.05	.06	<.05	
6-19-00	7.18 - 8.25	<.01	Composite	.08	<.05	<.05	<.05	
6-26-00	7.03 - 8.23	<.01	Composite	.20	<.05	<.05	<.05	
4/10/00	<b>Quality Check for</b>	permit renewa	l Arseni	c - <.05	Cadmium	- < 02	Chromium13	
	Site 001-C inspect	ion manhole	Coppe	r18	Lead	06	Mercury -<.00	<b>)05</b>
	•••		Nickel	- <.05	Selenium	- < .05	Silver -<.0	5
			Zinc	07	Cyanide	<b>-&lt;.01</b>		
5/1/00 S	emi-annual Special	Test	Cadmi	ım - <.02	Chromium	- <.05	Lead -<.↓	15

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

July 10, 2000 Page 2

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
4-3-00	Monday	60	3
4-4-00	Tuesday	4070	10
4-5-00	Wednesday	5850	8
4-6-00	Thursday	<b>542</b> 0	10
4-7-00	Friday	6100	10
4-8-00	Saturday	<b>282</b> 0	5
4-10-00	Monday	5480	10
4-11-00	Tuesday	5290	10
4-12-00	Wednesday	3300	10
4-13-00	Thursday	6020	10
4-14-00	Friday	6390	10
4-15-00	Saturday	4820	5
4-17-00	Monday	4920	10
4-18-00	Tuesday	5760	10
4-19-00	Wednesday	5590	10
4-20-00	Thursday	4000	10
4-21-00	Friday	0	Holiday
4-24-00 -	Monday	2240	10
4-25-00	Tuesday	5160	10
4-26-00	Wednesday	4120	10
4-27-00	Thursday	5740	10
4-28-00	Friday	5560	10
4-29-00	Saturday	2370	5
5-1-00	Monday	4760	10
5-2-00	Tuesday	4010	10
5-3-00	Wednesday	4790	10
5-4-00	Thursday	4630	10
5-5-00	Friday	6900	10
5-6-00	Saturday	1720	5
5-8-00	Monday	4980	10
5-9-00	Tuesday	4840	10
5-10-00	Wednesday	5560	10
5-11-00	Thursday	5750	10
5-12-00	Friday	6170	.10
5-13-00	Saturday	3230	<b>'</b> 5
5-15-00	Monday	5470	10
5-16-00	Tuesday	<b>457</b> 0	10

## $\underline{\textbf{WATER USAGE}}$

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
5-17-00	Wednesday	5580	10
5-18-00	Thursday	5810	10
5-19-00	Friday	<b>626</b> 0	10
5-20-00	Saturday	4060	5
5-22-00	Monday	5710	10
5-23-00	Tuesday	5670	10
5-24-00	Wednesday	6630	10
5-25-00	Thursday	5620	10
5-26-00	Friday	4220	10
5-27-00	Saturday	3300	5
5-29-00	Monday	0	Holiday
5-30-00	Tuesday	4120	10
5-31-00	Wednesday	4030	10
6-1-00	Thursday	6240	10
6-2-00	Friday	7950	10
6-3-00	Saturday	4250	5
6-5-00	Monday	6410	10
6-6-00	Tuesday	6120	10
6-7-00	Wednesday	3930	10
6-8-00	Thursday	6860	10
6-9-00	Friday	6710	10
6-10-00	Saturday	2860	5
6-12-00	Monday	4580	8
6-13-00	Tuesday	4260	8
6-14-00	Wednesday	4760	8
6-15-00	Thursday	5270	8
6-16-00	Friday	4480	8
6-17-00	Saturday	3230	5
6-19-00	Monday	5180	10
6-20-00	Tuesday	6580	10
6-21-00	Wednesday	6350	10
6-22-00	Thursday	6840	10
6-23-00	Friday	5180	10
6-24-00	Saturday	2110	5
6-26-00	Monday	6280	10
6-27-00	Tuesday	6330	10
6-28-00	Wednesday	5920	10
6-29-00	Thursday	5150	10
6-30-00	Friday	1810	10

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Plant Manager



# INDUSTRIES INCORPORATED

April 7, 2000 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

## RE: Quarterly Report Waste Treatment Facility (January 1, through March 31, 2000)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample	•	Grab sample					
Date	pН	Total Cyanide	Sample	Copper	Silver	Nickel	Zinc
01/04/00	6.86 - 8.12	~ <del>.0</del> 1	Composite	1.4	.32	.07	.11
01/10/00 *	N/A	N/A	Composite	1.9	.06	N/A	N/A
01/17/00	6.77 <b>–</b> 8.1 <del>8</del>	<b>&lt;-0</b> 1	Composite	: <del>19</del>	<b>∹:0</b> 5	. <del>26</del>	< .05
01/25/00	- 7.00 - 8.03	<.01	Composite	1.6	.21	.07	<.05
02/07/00	6.83 - 8.1 <del>4</del>	<b>~:01</b>	Composite	1.4	<del>.09</del>	<del>.06</del>	<del>.06</del>
02/14/00	7.07 - 8.19	<.01	Composite	.18	.07	<.05	<.05
02/23/00	6.84 – 7. <del>∂9</del>	<b>≺:0</b> 1	Composite	<del>.8</del> 2	:: <del>06</del>	<b>≺:0</b> 5	<b>≺:<del>0</del>5</b>
03/01/00	6.91 - 8.05	<.01	Composite	.27	<.05	<.05	<.05
03/13/00	7.10 – 8. <del>05</del>	<b>~:</b> 01	Composite	. <del>22</del>	.11	< <del>.05</del>	<del>:05</del>
03/28/00	6.81 - 8.04	<.01	Composite	1.2	<.05	<.05	<.05

<sup>\*</sup>Quality Check

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.



April 7, 2000 Page 3

		WATER DISCHARGE	HOURS OF
DATE	ÐAY	(GALLONS)	OPERATION
	777 1 1.	£100	10
02/16/00	Wednesday	5180 <del>4490</del>	10
02/17/00	Thursday		10
02/18/00	Friday	4720	5
02/19/00	Saturday	3 <del>08</del> 0	
02/21/00	Monday	3940	10
02/22/00	Tuesday	6310	10
02/23/00	Wednesday	5330	10
02/24/00	Thursday	<del>-5420</del>	10
02/25/00	Friday	5500	10
02/26/00	Saturday	31 <del>70</del>	5
02/28/00	Monday	3460	8
02/29/00	Tuesday	<del>-6680</del>	10
03/01/00	Wednesday	5040	10
03/02/00	Thursday	<del>-6810</del>	10
03/03/00	Friday	<b>52</b> 90	10
03/04/00	Saturday	<del>286</del> 0	-5
03/06/00	Monday	<b>609</b> 0	10
03/07/00	Tuesday	<del>-637</del> 0	10
03/08/00	Wednesday	3420	10
03/09/00	Thursday	<del>-651</del> 0	10
03/10/00	Friday	6980	10
03/11/00	Saturday	<del>294</del> 0	5
03/13/00	Monday	4060	10
03/14/00	Tuesday	· <del>-688</del> 0	-10
03/15/00	Wednesday	6600	10
03/16/00	Thursday	-4120	10
03/17/00	Friday	5590	8
03/18/00	Saturday	<del>205</del> 0	5
03/20/00	Monday	5230	10
03/21/00	Tuesday	<del>-674</del> 0	10
03/22/00	Wednesday	5580	10
03/23/00	Thursday	<del>6870</del>	10
03/24/00	Friday	5020	10
03/25/00	Saturday	2490	-5
03/27/00	Monday	6040	10
03/28/00	Tuesday	-54 <del>8</del> 0	- 10
•	Wednesday	5350	· 10
03/29/00	•		10
03/30/00	Thursday	2730	10
03/31/00	Friday	5070	10



April 7, 2000 Page 4

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely.

Mr. Larry McDaniel

Plant Manager

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

# RE: Quarterly Report Waste Treatment Facility (October 1 through December 31, 1999)

#### Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total (PRAb)					
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
10/04/99	7.10 - 8.18	LT .01	Composite	.56	.21	.09	LT .05
10/08/99*	N/A	N/A	Composite	1.0	LT .05	N/A	N/A
10/14/99	7.27 - 8.03	LT .01	Composite	.69	LT .05	LT .05	LT .05
10/25/99	7.03 - 8.10	LT .01	Composite	.20	LT .05	LT .05	LT .05
11/01/99**	7.60 - 8.00	LT .01	Composite	.23	LT .05	LT .05	LT .05
11/11/99	7.03 - 8.41	LT .01	Composite	.12	LT .05	.09	LT .05
11/29/99	6.92 - 8.03	.01	Composite	. <b>89</b>	LT .05	.07	LT .05
12/06/99	7.03 - 8.17	LT .01	Composite	.73	LT .05	LT .05	.06
12/13/99	6.88 - 8.05	LT .01	Composite	.82	.07	LT .05	LT .05
12/27/99	6.77 - 8.04	.02	Composite	.54	LT .05	.05	LT .05
*Quality Ch	eck						
** Semi-Ann	ual'Special Test	t 11/01/	99 Cadmin	ım – LT .02	Chromium –	LT .02 Lead	i – LT .025

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521

630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

January 10, 2000 Page 2

## **WATER USAGE**

DATE	ÐAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
10/01/99	Friday	3220	10
10/04/99	Monday	5630	10
10/05/99	Tuesday	4480-	10
10/06/99	Wednesday	7530	10
10/07/99	Thursday	6940	10
10/08/99	Friday	631 <del>0</del>	10
10/09/99	Saturday	2160-	5
10/11/99	Monday	3240	8
10/12/99	Tuesday	5350	10
10/13/99	Wednesday	6950	10
10/14/99	Thursday	5220-	10
10/15/99	Friday	2520-	10
10/16/99	Saturday	2020-	5
10/18/99	Monday	4540-	10
10/19/99	Tuesday	4890-	10
10/20/99	Wednesday	2580-	10
10/21/99	Thursday	2380	10
10/22/99	Friday	5130-	10
10/23/99	Saturday	1830-	5
10/25/99	Monday	4380-	10
10/26/99	Tuesday	3940	10
10/27/99	Wednesday	4360-	10
10/28/99	Thursday	3560°	10
10/29/99	Friday	4750°	10
10/30/99	Saturday	2170 <sup>-</sup>	4
11/01/99	Monday	5330	10
11/02/99	Tuesday	6080-	10
11/03/99	Wednesday	4770	8
11/04/99	Thursday	5500-	10
11/05/99	Friday	4880	10
11/06/99	Saturday	1970-	5
11/08/99	Monday	4160-	10
11/09/99	Tuesday	3220	10
11/10/99	Wednesday	5180	10
11/11/99	Thursday	4350 <sup>-</sup>	10
11/12/99	Friday	4950	<b>†</b> 0
11/13/99	Saturday	960	5
11/15/99	Monday	6010	10
11/16/99	Tuesday	3530	10
		4 970	

166,970

January 10, 2000 Page 3

## **WATER USAGE**

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	OPERATION
11/17/99	Wednesday	4790	10
11/18/99	Thursday	6170	10
11/19/99	Friday	<b>7990</b> -	10
11/20/99	Saturday	570-	4
11/22/99	Monday	437 <del>0</del>	10
11/23/99	Tuesday	4820	10
11/24/99	Wednesday	273 <del>0</del>	10
11/25/99	Thursday	0	Holiday
11/26/99	Friday	0	Holiday
11/29/99	Monday	4130	10
11/30/99	Tuesday	1590-	10
12/01/99	Wednesday	2470	10
12/02/99	Thursday	4140	10
12/03/99	Friday	3780-	10
12/04/99	Saturday	2180	5
12/06/99	Monday	5020	10
12/07/99	Tuesday	2240	10
12/08/99	Wednesday	3460	10
12/09/99	Thursday	3400	10
12/10/99	Friday	3590	10
12/11/99	Saturday	940	5
12/13/99	Monday	5860	10
12/14/99	Tuesday	5520	10
12/15/99	Wednesday	6590	10
12/16/99	Thursday	4110	10
12/17/99	Friday	4790	10
12/18/99	Saturday	1790	5
12/20/99	Monday	5679	10
12/21/99	Tuesday	6350	10
12/22/99	Wednesday	3560	10
12/23/99	Thursday	0	Holiday
12/24/99	Friday	0	Holiday
12/27/99	Monday	3890	5
12/28/99	Tuesday	<b>576</b> 0	10
12/29/99	Wednesday	6830	10
12/30/99	Thursday	4140	10
12/31/99	Friday	<u> </u>	Holiday
	• •		

71

January 10, 2000 Page 4

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel Plant Manager





Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

# RE: Quarterly Report Waste Treatment Facility (July 1 through September 30, 1999)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total				• •	ì
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
07/08/99	6.87 - 8.29	LT .01	Composite	.99	.08	LT .05	LT .05
07/19/99	6.78 - 8.36	LT .01	Composite	.30	LT .05	LT .05	LT .05
07/26/99	7.07 - 8.24	LT .01	Composite	.0	LT .05	LT .05	LT .05
08/02/99	7.09 - 8.00	.02	Composite	.86	.18	.11	LT .05
08/11/99	6.86 - 8.45	LT .01	Composite	.91	LT .05	.05	LT .05
08/25/99	7.17 - 8.35	LT .01	Composite	.35	.08	LT .05	LT .05
09/07/99	7.89 - 8.20	LT .01	Composite	.63	LT .05	LT .05	LT .05
09/16/99	7.36 - 8.19	LT .01	Composite	.14	LT .05	.08	LT .05
09/27/99	7.07 - 8.20	LT .01	Composite	.49	.06	.32	LT .05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.





		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	OPERATION
07/01/99	Thursday	3500	10
07/02/99	Friday	4410	10
07/05/99	Monday	0	HOLIDAY
07/06/99	Tuesday	4970	10
07/07/99	Wednesday	1310	10
07/08/99	Thursday	5920	10
07/09/99	Friday	4620	10
07/10/99	Saturday	1190	5
07/12/99	Monday	5620	10
07/13/99	Tuesday	3660	10
07/14/99	Wednesday	5240	10
07/15/99	Thursday	6220	10
07/16/99	Friday	7770	10
07/17/99	Saturday	2220	5
07/19/99	Monday	4630	10
07/20/99	Tuesday	3110	10
07/21/99	Wednesday	4150	10
07/22/99	Thursday	3860	10
07/23/99	Friday	5070	10
07/24/99	Saturday	2250	3
07/26/99	Monday	4610	8
07/27/99	Tuesday	4160	8
07/28/99	Wednesday	2950	8
07/29/99	Thursday	5030	8
07/30/99	Friday	2320	8
08/02/99	Monday	3680	8
08/03/99	Tuesday	2720	8
08/04/99	Wednesday	6720	. 8
08/05/99	Thursday	3830	8
08/06/99	Friday	2160	8
08/09/99	Monday	2210	10
08/10/99	Tuesday	4090	10
08/11/99	Wednesday	4400	10
08/12/99	Thursday	2220	10
08/13/99	Friday	6410	10
08/14/99	Saturday	2520	6
08/16/99	Monday	5040	10
08/17/99	Tuesday	1270	8
	_ <del> </del>		•





DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
08/18/99	Wednesday	3650	8
08/19/99	Thursday	2950	8
08/20/99	Friday	3400	10
08/21/99	Saturday	2960	6
08/23/99	Monday	6110	10
08/24/99	Tuesday	5230	10
08/25/99	Wednesday	3860	10
08/26/99	Thursday	6310	10
08/27/99	Friday	7420	10
08/28/99	Saturday	3320	5
08/30/99	Monday	5420	10
08/31/99	Tuesday	6110	10
09/01/99	Wednesday	1980	10
09/02/99	Thursday	2030	10
09/03/99	Friday	7440	10
09/04/99	Saturday	3000	5
09/06/99	Monday	0	HOLIDAY
09/07/99	Tuesday	4300	10
09/08/99	Wednesday	1910	10
09/09/99	Thursday	1130	10
09/10/99	Friday	7540	10
09/11/99	Saturday	5060	5.
09/13/99	Monday	6350	10
09/14/99	Tuesday	6120	10
09/15/99	Wednesday	5740	10
09/16/99	Thursday	5150	10
09/17/99	Friday	2030	10
09/20/99	Monday	4740	10
09/21/99	Tuesday	1550	10
09/22/99	Wednesday	2720	10
09/23/99	Thursday	1890	10
09/24/99	Friday	5280	10
09/25/99	Saturday	1550	10
09/27/99	Monday	4470	5
09/28/99	Tuesday	4180	10
09/29/99	Wednesday	3300	10
09/30/99	Thursday	4170	8





I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely.

Mr. Larry McDaniel Plant Manager



July 9, 1999 Page 1

Ms. Janet Buchner **Downers Grove Sanitary District** 2710 Curtiss Street Downers Grove, IL 60515

> RE: Quarterly Report Waste Treatment Facility (April 1 through June 30, 1999)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total					
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
04/05/99	6.92 - 8.29	LT .01	Composite	.16	LT .05	.22	LT .05
04/13/99	6.80 - 8.36	LT .01	Composite	.07	LT .05	.13	LT .05
04/26/99	7.24 - 8.17	LT .01	Composite	.65	LT .05	.13	LT .05
05/03/99	6.92 - 8.06	LT .01	Composite	.30	LT .05	.10	LT .05
05/17/99	7.07 - 8.37	LT .01	Composite	.30	LT .05	.16	LT .05
05/24/99	6.98 - 8.12	.02	Composite	.31	LT .05	.08	LT .05
06/01/99	6.98 - 8.01	.02	Composite	1.0	LT .05	.07	LT .05
06/14/99	7.14 - 8.25	LT .01	Composite	.68	LT .05	.10	LT .05
06/28/99	7.07 - 8.21	LT .01	Composite	.41	.08	.06	LT .05
							1

05/03/99 Semi-Annual Special Test: Cadmium; LT .02 Lead; LT .025 Chromium; LT .05

> Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

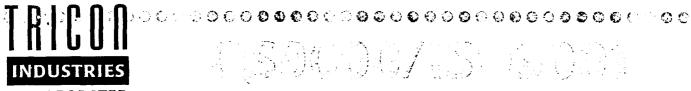
No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.



> July 9, 1999 Page 2

TO A TYPE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
<b>DATE</b> 04/01/99	Thursday	4110	10
04/02/99	Friday	HOLIDAY	0
04/05/99	Monday	4070	10
04/05/99	Tuesday	3350	10
04/07/99	Wednesday	4720	10
04/08/99	Thursday	2180	10
04/09/99	Friday	4930	10
04/12/99	Monday	3080	10
04/13/99	Tuesday	4110	10
04/14/99	Wednesday	4980	10
04/15/99	Thursday	4620	10
04/16/99	Friday	4510	10
04/17/99	Saturday	3450	5
04/19/99	Monday	4820	10
04/20/99	Tuesday	5180	10
04/21/99	Wednesday	3540	10
04/22/99	Thursday	4940	10
04/23/99	Friday	6090	10
04/24/99	Saturday	1840	5
04/26/99	Monday	4700	10
04/27/99	Tuesday	5320	10
04/28/99	Wednesday	6330	10
04/29/99	Thursday	3580	10
04/30/99	Friday	4930	10
05/03/99	Monday	3850	10
05/04/99	Tuesday	3720	10
05/05/99	Wednesday	6510	10
05/06/99	Thursday	4110	10
05/07/99	Friday	4150	10
05/08/99	Saturday	20	5
05/10/99	Monday	3340	10
05/11/99	Tuesday	6720	10
05/12/99	Wednesday	5890	10
05/13/99	Thursday	5760	10
05/14/99	Friday	6470	10
05/17/99	Monday	<b>478</b> 0	10
05/18/99	Tuesday	4720	10







July 9, 1999 Page 3

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
05/19/99	Wednesday	4680	10
05/20/99	Thursday	2180	10
05/21/99	Friday	4420	10
05/24/99	Monday	4650	10
05/25/99	Tuesday	6910	10
05/26/99	Wednesday	5970	10
05/27/99	Thursday	5940	10
05/28/99	Friday	5280	10
05/31/99	Monday	HOLIDAY	0
06/01/99	Tuesday	5170	10
06/02/99	Wednesday	3850	10
06/03/99	Thursday	6020	10
06/04/99	Friday	5790	10
06/07/99	Monday	3640	10
06/08/99	Tuesday	2050	10
06/09/99	Wednesday	3070	10
06/10/99	Thursday	5850	10
06/11/99	Friday	5140	10
06/14/99	Monday	<b>44</b> 70	10
06/15/99	Tuesday	3250	10
06/16/99	Wednesday	4850	10
06/17/99	Thursday	3490	10
06/18/99	Friday	1210	10
06/21/99	Monday	5570	10
06/22/99	Tuesday	4170	10
06/23/99	Wednesday	3970	10
06/24/99	Thursday	5320	10
06/25/99	Friday	5750	10
06/28/99	Monday	3490	10
06/29/99	Tuesday	, 2170	10
06/30/99	Wednesday	1320	10



0,59400/15/09/09

July 9, 1999 Page 4

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

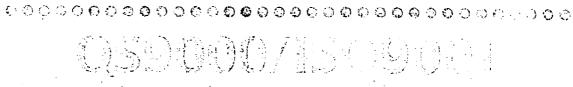
Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel Plant Manager

daring mo Oan







April 7, 1999 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (January 1, through march 31, 1999)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total					
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
01/07/99	7.27 - 8.06	.01	Composite	.29	LT .05	.54	LT .05
01/18/99	6.82 - 7.85	LT .01	Composite	1.2	LT .05	.17	LT .05
01/25/99	7.07 - 8.03	LT .01	Composite	.20	.05	.23	LT .05
02/01/99	6.97 - 7.93	LT .01	Composite	.62	LT .05	.06	.15
02/15/99	7.03 - 8.30	LT .01	Composite	.52	LT .05	.19	LT .05
02/22/99	6.82 - 8.11	LT .01	Composite	.06	LT .05	.20	LT .05
03/01/99	6.95 - 8.13	.02	Composite	.74	.10	.22	.15
03/11/99	7.17 - 8.06	LT .01	Composite	.33	LT .05	LT .05	LT .05
03/25/99	6.93 - 8.14	LT .05	Composite	.55	LT .05	.13	LT .05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 7780 Quincy Street WillowBrook, Illinois 60521 630/734-9530

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.







April 7, 1999 Page 2

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
01/01/99	Friday	Holiday	0
01/04/99	Monday	6970	11
01/05/99	Tuesday	4600	11 : -
01/06/99	Wednesday	6920	. 11
01/07/99	Thursday	5340	11
01/08/99	Friday	4920	11 '
01/09/99	Saturday	860	5
01/11/99	Monday	6230	11
01/12/99	Tuesday	3390	11
01/13/99	· Wednesday	5690	11
01/14/99	Thursday	3120	11
01/15/99	Friday	6350	11
01/16/99	Saturday	2250	5
01/18/99	Monday	5100	11
01/19/99	Tuesday	3850	11
01/20/99	Wednesday	5560	11
01/21/99	Thursday	5240	11
01/22/99	Friday	4930	11
01/23/99	Saturday	670	5
01/25/99	Monday	5730	11
01/26/99	Tuesday	6450	11
01/27/99	Wednesday	6640	11
01/28/99	Thursday	4130	11
01/29/99	Friday	4580	11
01/30/99	Saturday	3270	5
02/01/99	Monday	5680	11
02/02/99	Tuesday	4110	11
02/03/99	Wednesday	5830	11
02/04/99	Thursday	5270	11
02/05/99	Friday	5670	11
02/08/99	Monday	4980	11
02/09/99	Tuesday	4770	11
02/10/99	Wednesday	4530	11
02/11/99	Thursday	5060	11
02/12/99	Friday	3860	11
02/13/99	Saturday	2020	5
02/15/99	Monday	4430	11
02/16/99	Tuesday	3090	11
	-		•



059000/180900



April 7, 1999 Page 3

		• WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
02/17/99	Wednesday	4760	11
02/18/99	Thursday	4030	11
02/19/99	Friday	4320	-11
02/20/99	Saturday	2080	5 ,
02/22/99	Monday	5420	11
02/23/99	Tuesday	4890	11
02/24/99	Wednesday	5480	11
02/25/99	Thursday	6150	11
02/26/99	Friday	4530	11
02/27/99	Saturday	2410	5
03/01/99	Monday	6880	11
03/02/99	Tuesday	2990	11
03/03/99	Wednesday	4510	11
03/04/99	Thursday	6350	11
03/05/99	Friday	6100	11
03/06/99	Saturday	3020	5
03/08/99	Monday	3660	11
03/09/99	Tuesday	3980	11
03/10/99	Wednesday	4230	11
03/11/99	Thursday	5560	11
03/12/99	Friday	4250	11
03/13/99	Saturday	1080	5
03/15/99	Monday	2740	11
03/16/99	Tuesday	4780	11
03/17/99	Wednesday	2510	11
03/18/99	Thursday	1240	11
03/19/99	Friday	5330	11
03/22/99	Monday	5390	11
03/23/99	Tuesday	4770	11
03/24/99	Wednesday	5270	11
03/25/99	Thursday	4730	11
03/26/99	Friday	4750	11
03/27/99	Saturday	70	5
03/29/99	Monday	3710	11
03/30/99	Tuesday	4330	11
03/31/99	Wednesday	2410	11





April 7, 1999 Page 4

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel Plant Manager

Tarry moderne



のできるからないのでは、ないできるであれている。

2,89000/ISO901

January 12, 1999 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (October 1, through December 31, 1998)

Dear Ms. Buchner:

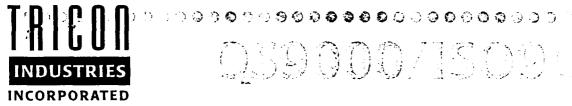
Please be advised of the following analysis results.

Sample		Total					ļ
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
10/05/98	6.83 - 8.39	LT .01	Composite	.58	.11	.15	LT .05
10/12/98	6.98 - 8.13	LT .01	Composite	.16	LT .05	.18	LT .05
10/26/98	7.30 - 8.17	LT .01	Composite	. <b>8</b> 9	.07	.06	LT .05
11/02/98	6.92 - 8.05	.04	Composite	.44	LT .05	.44	LT .05
11/11/98	7.18 - 8.01	LT .01	Composite	.33	LT .05	.05	LT .05
11/23/98	7.41 - 8.23	LT .01	Composite	.35	LT .05	.06	LT .05
12/03/98	7.31 - 8.17	.01	Composite	.78	LT .05	LT .05	LT .05
12/14/98	6.92 - 8.05	LT .01	Composite	.90	LT .05	LT .05	.05
12/21/98	7.18 - 8.03	.01	Composite	.65	LT .05	.59	LT .05

11/02/98 Semi-Annual Special Test: Lead; LT .05 Cadmium; LT .02 Chromium; LT .05

Laboratory results are reported by: Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.







January 12, 1999 Page 2

### **WATER USAGE**

		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
10/01/98	Thursday	6410	11
10/02/98	Friday	6560	11
10/03/98	Saturday	3310	5
10/05/98	Monday	5470	11
10/06/98	Tuesday	6060	11 '
10/07/98	Wednesday	6730	11
10/08/98	Thursday	3110	11
10/09/98	Friday	5760	11
10/10/98	Saturday	1890	5
10/12/98	Monday	4160	11
10/13/98	Tuesday	3080	11
10/14/98	Wednesday	3240	10
10/15/98	Thursday	3090	8
10/16/98	Friday	4210	8
10/19/98	Monday	2740	8
10/20/98	Tuesday	2650	8
10/21/98	Wednesday	3120	8
10/22/98	Thursday	4110	8
10/23/98	Friday	5640	8
10/26/98	Monday	6630	11
10/27/98	Tuesday	3570	11
10/28/98	Wednesday	6190	11
10/29/98	Thursday	3950	11
10/30/98	Friday	4730	11
10/31/98	Saturday	2040	5
11/02/98	Monday	5510	11
11/03/98	Tuesday	6330	11
11/04/98	Wednesday	6680	11
11/05/98	Thursday	5640	11
11/06/98	Friday	7110	11
11/07/98	Saturday	800	5
11/09/98	Monday	2490	11
11/10/98	Tuesday	3930	11
11/11/98	Wednesday	6860	11
11/12/98	Thursday	6430	11
11/13/98	Friday	6640	8
11/16/98	Monday	1160	8
11/17/98	Tuesday	3310	8
11/11/70	Tuesday		• Downers Grove, IL 60515-4076

2325 Wisconsin Avenue • Downers Grove, IL 60515-4076



(S9000/JJ0)001

`**ຉຉຉຉ**ຉຓຓຓຐ**ຏຓຉຨຉຓຉຩຨຉຆຩຘ**ຉຐຆຑຆຑຆຐຨຓ

.

January 12, 1999 Page 3

### **WATER USAGE**

DAME.	DAY	WATER DISCHARGE	HOURS OF
<b>DATE</b> 11/18/98	DAY Wednesday	(GALLONS) 4860	OPERATION 8
11/19/98	Thursday	2770	8
11/19/98	Thursday	2110	6
11/20/98	Friday	1050	8
1/21/98	Saturday	390	5
11/23/98	Monday	5560	11
11/24/98	Tuesday	3160	11
11/25/98	Wednesday	6290	11
11/26/98	Thursday	0	Holiday
11/27/98	Friday	0	Holiday
11/30/98	Monday	5750	11
12/01/98	Tuesday	4930	11
12/02/98	Wednesday	3230	11
12/03/98	Thursday	4050	11
12/04/98	Friday	1800	11
12/05/98	Saturday	10	5
12/07/98	Monday	2050	11
12/08/98	Tuesday	5630	11
12/09/98	Wednesday	5110	11
12/10/98	Thursday	6480	11
12/11/98	Friday	7050	11
12/12/98	Saturday	4570	5
12/14/98	Monday	5480	11
12/15/98	Tuesday	6170	11
12/16/98	Wednesday	6540	11
12/17/98	Thursday	4740	11
12/18/98	Friday	7140	11
12/19/98	Saturday	2810	5
12/21/98	Monday	6520	11
12/22/98	Tuesday	6850	11
12/23/98	Wednesday	3220	11
12/24/98	Thursday	0	Holiday
12/25/98	Friday	0	Holiday
12/28/98	Monday	5230	11
12/29/98	Tuesday	3030	11
12/30/98	Wednesday	5450	11
12/31/98	Thursday	0	Holiday
			ue - Downers Grove, IL 60515-4076

VISCOISIN AVEILLE - DOWNERS GIOVE, IL 00515-4070

Telephone: (630) 964-2330 • Fax: (630) 829-5125



QS9000/1509001



January 12, 1999 Page 4

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Plant Manager





October 12, 1998 Page 1

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (July 1, through September 30, 1998)

#### Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total					
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
07/07/98	7.36 - 8.00	LT .01	Composite	.05	LT .05	.09	LT .05
07/14/98	6.91 - 8.03	LT .01	Composite	.08	LT .05	.05	LT .05
07/27/98	7.10 - 8.07	LT .01	Composite	.07	LT .05	.06	LT .05
08/03/98	6.71 - 8.10	LT .01	Composite	.53	.06	.13	LT .05
08/11/98	7.53 - 8.07	LT .01	Composite	.06	LT .05	.08	LT .05
08/24/98	7.11 - 8.10	.08	Composite	.40	.10	.07	LT .05
09/01/98	6.90 - 8.08	LT .01	Composite	.62	.11	.15	LT .05
09/08/98	6.83 - 8.13	LT .01	Composite	.08	LT .05	.21	.05
09/28/98	6.66 - 8.17	LT .01	Composite	.17	LT .05	.25	LT .05
09/21/98 *	Special Test	N/A	Composite	1.2	LT .05	.28	.11

\*Grease and Oil 1ppm Test was conducted in response to a fire in building.
No reference values available for grease and oil to
offer a comparison.

Laboratory results are reported by:

Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.



October 12, 1998

Page 2



DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
07/01/98	Wednesday	2690	8
07/02/98	Thursday	4280	11
07/03/98	Friday	0	Holiday
07/06/98	Monday	0	Closed
07/07/98	Tuesday	4530	11
07/08/98	Wednesday	4960	11
07/09/98	Thursday	6110	11
07/10/98	Friday	6390	11
07/13/98	Monday	5220	11
07/14/98	Tuesday	6470	11
07/15/98	Wednesday	3840	11
07/16/98	Thursday	6330	11
07/17/98	Friday	6180	11
07/20/98	Monday	4230	11
07/21/98	Tuesday	6020	11
07/22/98	Wednesday	4390	11
07/23/98	Thursday	3460	11
07/24/98	Friday	2680	11
07/27/98	Monday	4790	11
07/28/98	Tuesday	3645	11
07/29/98	Wednesday	2460	11
07/30/98	Thursday	3910	11
07/31/98	Friday	5960	11
08/03/98	Monday	4920	11
08/04/98	Tuesday	4360	11
08/05/98	Wednesday	2550	11
08/06/98	Thursday	4920	11
08/07/98	Friday	3870	11
08/10/98	Monday	3690	11
08/11/98	Tuesday	4560	11
08/12/98	Wednesday	3130	11
08/13/98	Thursday	3600	11
08/14/98	Friday	1170	8
08/17/98	Monday	3370	8
08/18/98	Tuesday	3940	8
08/19/98	Wednesday	4170	8
08/20/98	Thursday	4700	8
08/21/98	Friday	3190	8
08/24/98	Monday	4950	11
08/25/98	Tuesday	4870	11
08/26/98	Wednesday	3210	11
08/27/98	Thursday	6180	11



October 12, Page 3

### **WATER UŚAGE**

•	•	WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
08/28/98	Friday	2160	. 11
08/29/98	Saturday	0	6
08/31/98	Monday	1190	9
09/01/98	Tuesday	5540	10
09/02/98	Wednesday	2980	9
09/03/98	Thursday	1310	9
09/04/98	Friday	6020	9
09/07/98	Monday	0	Holiday
09/08/98	Tuesday	6050	10
09/09/98	Wednesday	3260	9
09/10/98	Thursday	4760	9
09/11/98	Friday	1610	9
09/12/98	Saturday	680	5
09/14/98	Monday	3010	9
09/15/98	Tuesday	2450	9
09/16/98	Wednesday	5510	9
09/17/98	Thursday	2250	9
09/18/98	Friday	6510	11
09/19/98	Saturday	2750	5
09/21/98	Monday	3200	11
09/22/98	Tuesday	3320	11
09/23/98	Wednesday	6930	11
09/24/98	Thursday	4420	11
09/25/98	Friday	6590	11
09/26/98	Saturday	540	5
09/28/98	Monday	6390	11
09/29/98	Tuesday	6040	11
09/30/98	Wednesday	6970	11

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Plant Manager

July 9; 1998 Page 1

Ms. Janet Buchner
Downers Grove Sanitary District
2710 Curtiss Street
Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (April 1, through June 30, 1998)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total					
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
04/02/98	7.22 - 8.18	.09	Composite	.13	LT .05	.05	LT .05
04/06/98	00000 MM600		<b>Qlty Check</b>	.06	LT .05		
04/13/98	6.90 - 8.29	LT .01	Composite	.24	LT .05	.07	LT .05
04/27/98	7.07 - 8.10	.01	Composite	1.0	LT .05	.06	LT .05
05/04/98	7.07 - 8.29	LT .01	Composite	1.0	LT .05	.06	LT .05
05/18/98	6.77 - 8.14	LT .01	Composite	.15	LT .05	LT .05	LT .05
05/26/98	7.03 - 8.12	.10	Composite	.15	LT .05	.10	LT .05
06/08/98	6.79 - 8.16	LT .01	Composite	.15	LT .05	.32	LT .05
06/17/98	6.62 - 7.69	LT .01	Composite	.77	LT .05	LT .05	.29
06/29/98	7.28 - 8.05	LT .01		.06	LT .05	.8	LT .05
05/04/98	Special Test:	Cadn	nium .23*	Chromi	um LT .05	Lead LT .05	
05/26/98	Quality Check	Cadn	nium LT .05				,
06/05/98	Quality check	Cadn	nium LT .02				

<sup>\*</sup> See letter of corrective action dated June 2, 1998.

Laboratory results are reported by:

Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
04/01/98	Wednesday	7090	8
04/02/98	Thursday	4930	8
04/03/98	Friday	6040	8
04/06/98	Monday	6130	8
04/07/98	Tuesday	3030	8
04/08/98	Wednesday	4450	8
04/09/98	Thursday	4610	8
04/10/98	Friday	Holiday	0
04/13/98	Monday	6210	11
04/14/98	Tuesday	2660	11
04/15/98	Wednesday	4190	11
04/16/98	Thursday	4360	11
04/17/98	Friday	3700	. 11
04/18/98	Saturday	2230	6
04/20/98	Monday	4810	11
04/21/98	Tuesday	4940	11
04/22/98	Wednesday	4040	11
04/23/98	Thursday	4600	11
04/24/98	Friday	4210	11
04/27/98	Monday	5230	12
04/28/98	Tuesday	5310	12
04/29/98	Wednesday	4120	11
04/30/98	Thursday	4340	11
05/01/98	Friday	6240	11
05/04/98	Monday	5110	11
05/05/98	Tuesday	5760	11
05/06/98	Wednesday	6630	11
05/07/98	Thursday	6870	11
05/08/98	Friday	6440	11
05/09/98	Saturday	1410	6
05/11/98	Monday	5940	11
05/12/98	Tuesday	6150	11
05/13/98	Wednesday	3690	11
05/14/98	Thursday	4030	11
05/15/98	Friday	4380	11
05/18/98	Monday	6500	11
05/19/98	Tuesday	3930	11
05/20/98	Wednesday	2260	11
05/21/98	Thursday	4620	. 11
05/22/98	Friday	6690	11
05/25/98	Monday	Holiday	0
•	•		

A PENED		WATER DISCHARGE	HOURS OF
DATE	DAY	(GALLONS)	OPERATION
05/26/98	Tuesday	6720	11
05/27/98	Wednesday	4960	11
05/28/98	Thursday	5430	11
05/29/98	Friday	4210	11
06/01/98	Monday	7110	. 11
06/02/98	Tuesday	6320	11
06/03/98	Wednesday	5880	11
<del>~06/04/9</del> 8	Thursday	4730	11
06/05/98	Friday	5790	11
06/08/98	Monday	4830	11
06/09/98	Tuesday	6340	11
06/10/98	Wednesday	5660	11
06/11/98	Thursday	1360	9
06/12/98	Friday	4990	9
06/15/98	Monday	4730	9
06/16/98	Tuesday	7410	9
06/17/98	Wednesday	4410	11
06/18/98	Thursday	3750	11
06/19/98	Friday	6380	11
06/22/98	Monday	3770	11
06/23/98	Tuesday	3980	11
06/24/98	Wednesday	7240	11
06/25/98	Thursday	6440	11
06/26/98	Friday	5460	11
06/29/98	Monday	4830	11
06/30/98	Tuesday	6260	11

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely.

Mr. Larry McDaniel

Plant Manager



Q\$9000/1509001

April 9, 1998 Page 1

Revised 4/13/98 (added January quality checks)

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Quarterly Report Waste Treatment Facility (January 1, 1998 through March 31, 1998)

Dear Ms. Buchner:

Please be advised of the following analysis results.

Sample		Total					
Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
01/05/98	7.07 - 8.02	LT .01	Composite	.95	LT .05	.09	LT .05
01/12/98	=		Qlty Check	.18	LT .025		
01/13/98			Qlty Check	.25	.045		
01/16/98			Qlty Check	.43	.053		
01/19/98	7.22 - 7.95	LT .01	Composite	.44	.06	.14	.09
01/26/98	6.76 - 7.74	LT .01	Composite	.61	LT .05	.18	LT .05
02/03/98	6.99 - 7.82	.02	Composite	.27	LT .05	.23	LT .05
02/10/98	7.02 - 7.68	LT .01	Composite	.57	LT .05	LT .05	LT .05
02/23/98	7.20 - 8.05	LT .01	Composite	.17	LT .05	LT .05	LT .05
03/02/98	6.70 - 7.93	LT .01	Composite	.29	LT .05	.06	.08
03/10/98	6.92 - 8.11	.09	Composite	.16	LT .05	.23	LT .05
03/20/98			Qlty Check	1.4	LT .05		
03/23/98	6.76 - 8.39	.12	Composite	.32	.06	.17	LT .05

Laboratory results are reported by:

Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(GALLONS)	<b>OPERATION</b>
01/01/98	Thursday	Holiday	. 0
01/02/98	Friday	1390	11
01/05/98	Monday	4970	16
01/06/98	Tuesday	4100	16
01/07/98	Wednesday	6920	16
01/08/98	Thursday	3350	16
01/09/98	Friday	2410	16
01/12/98	Monday	5060	16
01/13/98	Tuesday	5590 ·	16
01/14/98	Wednesday	4870	16
01/15/98	Thursday	6470	16
01/16/98	Friday	6380	16
01/19/98	Monday	7310	10
01/20/98	Tuesday	7190	10
01/21/98	Wednesday	6150	11
01/22/98	Thursday	7180	11
01/23/98	Friday	5130	11
01/24/98	Saturday	2630	5
01/26/98	Monday	5960	11
01/27/98	Tuesday	6240	- 11
01/28/98	Wednesday	5380	11
01/29/98	Thursday	1490	11
01/30/98	Friday	5350	11
02/02/98	Monday	5620	11
02/03/98	Tuesday	5990	11
02/04/98	Wednesday	5580	11
02/05/98	Thursday	1980	11
02/06/98	Friday	5930	11
02/09/98	Monday	5210	11
02/10/98	Tuesday	5290	11
02/11/98	Wednesday	3110	11
02/12/98	Thursday	6230	11
02/13/98	Friday	6710	11
02/16/98	Monday	3560	11
02/17/98	Tuesday	3750	11
02/18/98	Wednesday	4600	11
02/19/98	Thursday	2240	11
02/20/98	Friday	4010	. 11
02/23/98	Monday	4570	11
02/24/98	Tuesday	6380	11
02/25/98	Wednesday	5710	12
02/26/98	Thursday	6630	10
	-		

DATE	DAY	WATER DISCHARGE (GALLONS)	HOURS OF OPERATION
02/27/98	Friday	7570	11
02/28/98	Saturday	3210	6
03/02/98	Monday	5250	11
03/02/98	Tuesday	6320	11
03/04/98	Wednesday	4460	11
03/05/98	Thursday	7370	11
03/05/98	Friday	6250	11
03/07/98	Saturday	820	6
		4760	12
03/09/98	Monday	5630	
03/10/98	Tuesday		11
03/11/98	Wednesday	3760	11
03/12/98	Thursday	6090	12
03/13/98	Friday	5590	11
03/14/98	Saturday	3900	8
03/16/98	Monday	6770	12
03/17/98	Tuesday	6940	11
03/18/98	Wednesday	7310	12
03/19/98	Thursday	7540	11
03/20/98	Friday	<b>72</b> 60	11
03/21/98	Saturday	6560	9
03/23/98	Monday	7750	11
03/24/98	Tuesday	6970	11
03/25/98	Wednesday	7630	11
03/26/98	Thursday	6620	11
03/27/98	Friday	7300	11
03/30/98	Monday	6810	8
03/31/98	Tuesday	3120	8

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties fo submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel
Plant Manager



# TRICON INDUSTRIES INCORPORATED ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Buchner:

# RE: Quarterly Report Waste Treatment Facility (July 1, 1997 through September 30, 1997)

Please be advised of the following analysis results.

Sample Date	pН	Total Cyanide	Sample	Copper	Silver	Nickel	Zinc
07/01/97	Quality Che	ck N/A	Composite	.47	LT .05	N/A	N/A
07/07/97	7.17-8.05	LT .01	Composite	.46	LT .05	.17	LT .05
07/21/97	7.35-7.96	LT .01	Composite	1.3	LT .05	.22	.07
07/24/97	7.01-8.13	LT .01	Composite	.32	LT .05	.13	LT .05
08/04/97	6.76-7.97	.01	Composite	.75	LT .05	LT .05	LT .05
08/11/97	7.15-8.09	LT .01	Composite	1.3	.03	.10	LT .05
08/25/97	7.00-7.32	.02	Composite	1.8	LT .05	.11	.17
09/02/97	7.23-8.21	.02	Composite	1.7	LT .05	.29	LT .05
09/08/97	7.71-8.04	.09	Composite	.56	LT .05	.07	LT .05
09/22/97	7.11-7.84	.01	Composite	1.3	LT .05	.12	, LT .05

Laboratory results are reported by:
Enviro-Test/Perry Laboratory
319 Ogden Avenue
Downers Grove, IL 60515
708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons direct responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management placebox between the district.

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
07/01/97	Tuesday	5090	16
07/02/97	Wednesday	2420	16
07/03/97	Thursday	4790	16
07/04/97	Friday	0	Holiday
07/07/97	Monday	7000	16
07/08/97	Tuesday	2020	16
07/09/97	Wednesday	7410	16
07/10/97	Thursday	7880	16
07/11/97	Friday	6350	16
07/14/97	Monday	3770	16
07/15/97	Tuesday	<b>7260</b>	16
07/16/97	Wednesday	6620	16
07/17/97	Thursday	6200	16
07/18/97	Friday	7630	16
07/21/97	Monday	5730	16
07/22/97	Tuesday	5890	16
07/23/97	Wednesday	4910	16
07/24/97	Thursday	5000	16
07/25/97	Friday	7870	16
07/28/97	Monday	4730	16
07/29/97	Tuesday	3040	16
07/30/97	Wednesday	3760	16
07/31/97	Thursday	5510	16

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(Gallons)	<b>OPERATION</b>
08/01/97	Friday	6240	16
08/04/97	Monday	5820	16
08/05/97	Tuesday	6850	16
08/06/97	Wednesday	3950	16
08/07/97	Thursday	2070	16
08/08/97	Friday	1970	16
08/11/97	Monday	6170	16
08/12/97	Tuesday	4400	16
08/13/97	Wednesday	1420	16
08/14/97	Thursday	5050	16
08/15/97	Friday	5130	16
08/18/97	Monday	4920	16
08/19/97	Tuesday	6780	16
08/20/97	Wednesday	6300	16
08/21/97	Thursday	2810	16
08/22/97	Friday	7030	16
08/25/97	Monday	6880	11
08/26/97	Tuesday	6010	11
08/27/97	Wednesday	3400	11
08/28/97	Thursday	6260	11
08/29/97	Friday	2670	11
09/01/97	Monday	0	Holiday
09/02/97	Tuesday	5820	16
09/03/97	Wednesday	970	16
09/04/97	Thursday	3190	16
09/05/97	Friday	830	16
09/08/97	Monday	7030	16
09/09/97	Tuesday	4730	16
09/10/97	Wednesday	5310	16
09/11/97	Thursday	<b>624</b> 0	16
09/12/97	Friday	4500	16
09/15/97	Monday	5830	16
09/16/97	Tuesday	7820	16
09/17/97	Wednesday	6790	16
09/18/97	Thursday	2180	16
09/19/97	Friday	1050	16
09/22/97	Monday	6840	16
09/23/97	Tuesday	2780	16
09/24/97	Wednesday	4870	16
09/25/97	Thursday	3340	16
09/26/97	Friday	4810	16
09/29/97	Monday	3220	16
09/30/97	Tuesday	2690	16

I have personally examined and am familiar with the information submitted in the attached document, and I here certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2 (Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Larry mc Donie

Sincerely,

Mr. Larry McDaniel Plant Manager



### TRICON INDUSTRIES INCORPORATED ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Buchner:

# RE: Quarterly Report Waste Treatment Facility (October 1, 1997 through December 31, 1997)

Please be advised of the following analysis results.

	Total	,				
pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
•						
6.77-8.30	.03	Composite	1.6	LT .05	1.9	LT .05
7.26-8.27	.02	Composite	.90	LT .05	.11	.14
			,			
7.22-8.19	LT .01	Composite	.49	.06	.08	LT .05
7.12-8.01	LT .01	Composite	.22	LT .05	.10	LT .05
7 25-8 11	LT 01	Composite	<b>4</b> 1	IT 05	09	LT .05
7.23-0.11	DI .01	Composite	41	L1 .0.5	.07	£1 .05
7.35-8.03	LT .01	Composite	.53	LT .05	.08	LT .05
7.07-8.25	LT .01	Composite	.10	LT .05	.06	LT .05
<b>50000</b>						
7.39-8.06	.03	Composite	.06	LT .05	LT .05	LT .05
7.22-7.97	LT .01	Composite	.89	LT .05	.05	.07
						,
		Cadmium		Chromin	m	Lead
Special Tes	t	LT .02		LT .05		LT .025
	6.77-8.30 7.26-8.27 7.22-8.19 7.12-8.01 7.25-8.11 7.35-8.03 7.07-8.25 7.39-8.06 7.22-7.97	pH Cyanide  6.77-8.30 .03  7.26-8.27 .02  7.22-8.19 LT .01  7.12-8.01 LT .01  7.25-8.11 LT .01  7.35-8.03 LT .01  7.07-8.25 LT .01  7.39-8.06 .03	pH Cyanide Sample  6.77-8.30 .03 Composite  7.26-8.27 .02 Composite  7.22-8.19 LT .01 Composite  7.12-8.01 LT .01 Composite  7.25-8.11 LT .01 Composite  7.35-8.03 LT .01 Composite  7.07-8.25 LT .01 Composite  7.39-8.06 .03 Composite  7.22-7.97 LT .01 Composite  Cadmium	pH         Cyanide         Sample         Copper           6.77-8.30         .03         Composite         1.6           7.26-8.27         .02         Composite         .90           7.22-8.19         LT .01         Composite         .49           7.12-8.01         LT .01         Composite         .22           7.25-8.11         LT .01         Composite         .41           7.35-8.03         LT .01         Composite         .53           7.07-8.25         LT .01         Composite         .10           7.39-8.06         .03         Composite         .06           7.22-7.97         LT .01         Composite         .89           Cadmium	pH         Cyanide         Sample         Copper         Silver           6.77-8.30         .03         Composite         1.6         LT .05           7.26-8.27         .02         Composite         .90         LT .05           7.22-8.19         LT .01         Composite         .49         .06           7.12-8.01         LT .01         Composite         .22         LT .05           7.25-8.11         LT .01         Composite         .41         LT .05           7.35-8.03         LT .01         Composite         .53         LT .05           7.07-8.25         LT .01         Composite         .10         LT .05           7.39-8.06         .03         Composite         .06         LT .05           7.22-7.97         LT .01         Composite         .89         LT .05           Cadmium         Chromium	pH         Cyanide         Sample         Copper         Silver         Nickel           6.77-8.30         .03         Composite         1.6         LT .05         1.9           7.26-8.27         .02         Composite         .90         LT .05         .11           7.22-8.19         LT .01         Composite         .49         .06         .08           7.12-8.01         LT .01         Composite         .22         LT .05         .10           7.25-8.11         LT .01         Composite         .41         LT .05         .09           7.35-8.03         LT .01         Composite         .53         LT .05         .08           7.07-8.25         LT .01         Composite         .10         LT .05         .06           7.39-8.06         .03         Composite         .06         LT .05         LT .05           7.22-7.97         LT .01         Composite         .89         LT .05         .05

Laboratory results are reported by:

Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons direc responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to t best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since fili the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management pl submitted to the District.

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(Gallons)	<b>OPERATION</b>
10/01/7	Wednesday	3180	16
10/02/97	Thursday	7050	16
10/03/97	Friday	7850	16
10/06/97	Monday	7320	16
10/07/97	Tuesday	4740	16
10/08/97	Wednesday	3710	16
10/09/97	Thursday	<b>7260</b>	16
10/10/97	Friday	6720	16
10/13/97	Monday	6910	16
10/14/97	Tuesday	5670	16
10/15/97	Wednesday	7480	16
10/16/97	Thursday	5320	16
10/17/97	Friday	5140	16
10/20/97	Monday	6320	16
10/21/97	Tuesday	4140	16
10/22/97	Wednesday	7050	16
10/23/97	Thursday	6110	16
10/24/97	Friday	5450	16
10/27/97	Monday	6510	16
10/28/97	Tuesday	4440	16
10/29/97	Wednesday	3620	16
10/30/97	Thursday	3260	16
10/31/97	Friday	6220	16
11/03/97	Monday	6280	16
11/04/97	Tuesday	5460	16
11/05/97	Wednesday	7020	16
11/06/97	Thursday	6200	16

		WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(Gallons)	<b>OPERATION</b>
11/07/97	Friday	3630	16
11/10/97	Monday	4770	16
11/11/97	Tuesday	2480	16
11/12/97	Wednesday	2930	16
11/13/97	Thursday	4010	16
11/14/97	Friday	4730	16
11/17/97	Monday	6370	16
11/18/97	Tuesday	2890	16
11/19/97	Wednesday	2830	16
11/20/97	Thursday	3320	16
11/24/97	Friday	7010	16
11/25/97	Monday	6050	16
11/26/97	Tuesday	2150	16
11/27/97	Wednesday	3570	16
11/28/97	Thursday	0	Holiday
11/29/97	Friday	0	Holiday
12/01/97	Monday	5440	16
12/02/97	Tuesday	6250	16
12/03/97	Wednesday	6470	16
12/04/97	Thursday	6100	16
12/05/97	Friday	<b>724</b> 0	16
12/06/97	Saturday	3700	5
12/08/97	Monday	6040	16
12/09/97	Tuesday	4980	16
12/10/97	Wednesday	5250	16
12/11/97	Thursday	6170	16
12/12/97	Friday	2480	16
12/15/97	Monday	4030	16
12/16/97	Tuesday	5840	16
12/17/97	Wednesday	2880	16
12/18/97	Thursday	4620	16
12/19/97	Friday	1940	16
12/20/97	Saturday	6930	16
12/22/97	Monday	5910	16-
12/23/97	Tuesday	6040	16
12/24/97	Wednesday	0	Holiday
12/25/97	Thursday	0	Holiday
12/26/97	Friday	0	Holiday ,
12/29/97	Monday	4100	16
12/30/97	Tuesday	1870	16
12/31/97	Wednesday	0	Holiday

I have personally examined and am familiar with the information submitted in the attached document, and I herel certify, under penalty of law, that this information was obtained in accordance with the requirements of  $403.2(\epsilon)$  Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties f submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Tany mc Ocnie

Plant Manager



# TRICON INDUSTRIES INCORPORATED ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

July 9, 1997

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Buchner:

# RE: Quarterly Report Waste Treatment Facility (April 1, 1997 through June 30, 1997)

Please be advised of the following analysis results.

Sample

Total

Date

DH

Cvanide

Sample

Cvanide

Date	pН	Cyanide	Sample	Copper	Silver	Nickel	Zinc
04/07/97	6.77-8.43	.02	Composite	.58	.10	.17	LT .05
04/14/97	7.02-7.28	.07	Composite	.54	LT .05	.14	.08
04/23/97	7.02-7.66	LT .01	Composite	.27	LT .05	.11	LT .05
05/01/97	6.29-8.08	LT .01	Composite	.17	LT .05	.07	LT .05
05/12/97	6.92-8.39	LT .01	Composite	1.0	.09	.08	LT .05
05/21/97	7.02-8.63	LT .01	Composite	.31	LT .05	LT .05	LT .05
06/02/97	6.82-8.39	.02	Composite				
06/03/97			Composite	1.2	LT .05	.36	.10
06/10/97	7.11-7.85	.01	Composite	.40	LT .05	LT .05	LT .05
, 06/25/97	6.97-7.90	LT .01	Composite	.34	.10	.12	LŢ.05
05/01/97	Special Tes	t		Cadmium LT .02	Chro	omium 05	Lead LT .025

Laboratory results are reported by:
Enviro-Test/Perry Laboratory
319 Ogden Avenue
Downers Grove, IL 60515
708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
04/01/97	Tuesday	7070	16
04/02/97	Wednesday	7570	16
04/03/97	Thursday	6630	16
04/04/97	Friday	7570	16
04/05/97	Saturday	6740	5
04/07/97	Monday	6620	16
04/08/97	Tuesday	5160	16
04/09/97	Wednesday	7330	16
04/10/97	Thursday	2820	16
04/11/97	Friday	4920	16
04/14/97	Monday	4010	16
04/15/97	Tuesday	1690	16
04/16/97	Wednesday	3450	16
04/17/97	Thursday	7600	16
04/18/97	Friday	6350	16
04/19/97	Saturday	5070	9
04/21/97	Monday	7120	16
04/22/97	Tuesday	6540	16
04/23/97	Wednesday	5570	16
04/24/97	Thursday	1920	16
04/25/97	Friday	3660	16
04/28/97	Monday	6310	16
04/29/97	Tuesday	6170	16
04/30/97	Wednesday	5840	16
05/01/97	Thursday	4100	16

	•	WATER DISCHARGE	<b>HOURS OF</b>
DATE	DAY	(Gallons)	<b>OPERATION</b>
05/02/97	Friday	2860	16
05/05/97	Monday	2600	16
05/06/97	Tuesday	3730	16
05/07/97	Wednesday	5790	16
05/08/97	Thursday	5530	16
05/09/97	Friday	7690	16
05/10/97	Saturday	3020	5
05/12/97	Monday	<b>785</b> 0	16
05/13/97	Tuesday	7340	16
05/14/97	Wednesday	3420	16
05/15/97	Thursday	5240	16
05/16/97	Friday	7030	16
05/19/97	Monday	2550	16
05/20/97	Tuesday	4880	16
05/21/97	Wednesday	6620	16
05/22/97	Thursday	1100	16
05/23/97	Friday	1970	16
05/26/97	Monday	Holiday	0
05/27/97	Tuesday	6020	16
05/28/97	Wednesday	1310	16
05/29/97	Thursday	3160	16
05/30/97	Friday	4920	16
06/02/97	Monday	7690	16
06/03/97	Tuesday	6320	16
06/04/97	.Wednesday	3230	16
06/05/97	Thursday	7280	16
06/06/97	Friday	2220	16
06/09/97	Monday	5470	16
06/10/97	Tuesday	4520	16
06/11/97	Wednesday	4040	16
06/12/97	Thursday	2270	16
06/13/97	Friday	2630	16
06/16/97	Monday	6430	16
06/17/97	Tuesday	5040	16
06/18/97	Wednesday	4950	16
06/19/97	Thursday	5290	16
06/20/97	Friday	4100	16
06/23/97	Monday	2880	16
06/24/97	Tuesday	7110	16
06/25/97	Wednesday	4980	16
06/26/97	Thursday	3560	16
06/27/97	Friday	5610	16
06/30/97	Monday	4930	16

I have personally examined and am familiar with the information submitted in the attached document, and I hereb certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e) Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties fo submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Plant Manager

#### Page 1



# TRICON INDUSTRIES INCORPORATED ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

April 4, 1997

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Buchner:

# RE: Quarterly Report Waste Treatment Facility (January 2, 1997 through March 31, 1997)

Please be advised of the following analysis results. Sample Total Date pН Cyanide Copper Nickel Zinc Sample Silver 01/02/97 6.88-8.48 LT.01 Grab 2.0 LT .05 .25 .10 Composite .59 LT .05 .09 LT .05 01/02/97 Retest for copper Grab 2.0 Composite .59 01/13/97 7.05-8.76 LT .01 Grab .07 LT .05 LT .05 LT .05 Composite .09 LT .05 LT .05 LT .05 01/20/97 7.15-8.53 LT .01 Grab 80. .07 .08 LT .05 Composite .11 .06 .09 LT .05 02/03/97 7.10-8.49 .01 Composite .08 .07 .08 LT .05 02/10/97 7.17-8.14 .09 Composite .20 LT .05 .17 LT .05 02/12/97 Quality check Grab LT .05 Grab LT .05 Composite LT .05 02/20/97 7.07-7.72 LT .01 Composite .25 LT .05 .14 .06 02/27/97 Quality check Grab LT .05 03/03/97 7.36-7.88 LT .01 Composite LT .05 LT .05 .061 LT .05 03/10/97 7.18-7.61 LT .01 Composite .10 LT .05 LT .05 LT .05

Sample Date 03/11/97	pH Quality ch	Total Cyanide eck	Sample Grab	Copper	Silver .17	Nickel	Zinc
03/20/97	Quality ch	eck	Grab		.046		
03/24/97	6.98-8.30	LT .01	Composite	.32	.20	.14	LT .05

Laboratory results are reported by:

Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
01/02/97	Thursday	6400	16
01/03/97	Friday	990	16
01/06/97	Monday	5130	16
01/07/97	Tuesday	5100	16
01/08/97	Wednesday	2150	16
01/09/97	Thursday	4840	16
01/10/97	Friday	2360	16
01/13/97	Monday	6580	16
01/14/97	Tuesday	<b>7</b> 590	16
01/15/97	Wednesday	6350	16
01/16/97	Thursday	4540	16
01/17/97	Friday	3820	16
01/20/97	Monday	<b>624</b> 0	16
01/21/97	Tuesday	6150	16
01/22/97	Wednesday	6890	16
01/23/97	Thursday	6160	16
01/24/97	Friday	5490	16
01/27/97	Monday	5620	16
01/28/97	Tuesday	3470	16
01/29/97	Wednesday	3730	16

		WATER DISCHARGE	HOURS OF
DATE	DAY	(Gallons)	<b>OPERATION</b>
01/30/97	Thursday	5880	16
01/31/97	Friday	2430	16
02/03/97	Monday	6940	16
02/04/97	Tuesday	3040	16
02/05/97	Wednesday	4240	16
02/06/97	Thursday	5360	16
02/07/97	Friday	5660	16
02/08/97	Saturday	2620	4
02/10/97	Monday	5800	12
02/11/97	Tuesday	6970	16
02/12/97	Wednesday	6910	16
02/13/97	Thursday	3830	16
02/14/97	Friday	6830	16
02/17/97	Monday	4040	16
02/18/97	Tuesday	4210	16
02/19/97	Wednesday	5230	16
02/20/97	Thursday	5090	16
02/21/97	Friday	2240	16
02/24/97	Monday	5590	16
02/25/97	Tuesday	6130	16
02/26/97	Wednesday	<b>747</b> 0	16
02/27/97	Thursday	5000	16
02/28/97	Friday	6390	16
03/03/97	Monday	6130	16
03/04/97	Tuesday	2520	16
03/05/97	Wednesday	3010	16
03/06/97	Thursday	2710	16
03/07/97	Friday	2230	16
03/10/97	Monday	6070	16
03/11/97	Tuesday	5590	16
03/12/97	Wednesday	3840	16
03/13/97	Thursday	450	16
03/14/97	Friday	3670	16
03/17/97	Monday	5190	16
03/18/97	Tuesday	7430	16
03/19/97	Wednesday	5920	16
03/20/97	Thursday	4960	16
03/21/97	Friday	3480	16
03/24/97	Monday	6710	16
03/25/97	Tuesday	5330	16 <sup>'</sup>
03/26/97	Wednesday	4592	16
03/27/97	Thursday	1660	16
03/28/97	Friday	Holiday	0
03/31/97	Monday	2790	16

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Tany m Donie

Plant Manager

January 28, 1997

Ms. Janet Buchner
Downers Grove Sanitary District
2710 Curtiss Street
Downers Grove, IL 60515

**AMENDED** 

Dear Ms. Buchner:

### RE: Quarterly Report of Waste Treatment Facility (October 1, 1996, through December 31, 1996)

Please be advised of the following analysis results. Sample Total Date pН Cyanide Nickel Zinc Sample Copper Silver 10/07/96 6.92-7.42 Grab 1.3 .05 3.6 .20 .07 Composite 1.5 .12 .07 .07 10/08/96 LT.01 10/14/96 6.81-7.39 LT .01 .47 .17 .12 Grab LT.05 Composite .38 LT.05 .13 .06 10/23/96 6.72-7.22 LT.01 Grab .11 LT.05 .09 LT.05 LT.05 Composite .15 LT.05 .10 LT.01 11/04/96 6.62-7.47 LT.05 LT.05 .10 LT.05 Grab Composite .07 LT.05 .10 LT.05 11/18/96 6.53-7.25 LT.01 Grab LT.05 LT.05 .06 LT.05 Composite .27 LT.05 .11 LT.05 11/21/96 Grab .38 LT.05 .05 LT.05 6.82-7.80 LT.01 Grab .14 LT.05 LT.05 11/25/96 LT.05 Composite .21 LT.05 LT.05 LT.05 12/02/96 6.66-7.74 LT.01 Grab 1.8 80. .07 LT.05 LT.05 Composite 1.8 .11 .05 LT.01 12/09/96 6.80-7.90 Grab .40 LT.05 .10 LT.05 LT.05 Composite .40 LT.05 .10 .22 12/16/96 7.05-8.51 LT.01 Grab LT.05 .12 LT.05 Composite .23 LT.05 LT.05 .11 11/04/96 Special Test Cadimium Chromium Lead Grab LT.02 LT.05 LT.025 Composite LT.02 LT.05 LT.025

Laboratory results are reported by:
Enviro-Test/Perry Laboratory
319 Ogden Avenue
Downers Grove, IL 60515
708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
10/01/96	Tuesday	6400	16
10/02/96	Wednesday	4140	16
10/03/96	Thursday.	6640	16
10/04/96	Friday	6820	16
10/07/96	Monday	7350	16
10/08/96	Tuesday	5990	15
10/09/96	Wednesday	4290	15
10/10/96	Thursday	4780	15
10/11/96	Friday	3110	8.5
10/14/96	Monday	6580	15
10/15/96	Tuesday	4230	16
10/16/96	Wednesday	4390	15
10/17/96	Thursday	4820	16
10/18/96	Friday	5250	16
10/19/96	Saturday	1850	1.0
10/21/96	Monday	6840	16
10/22/96	Tuesday	7360	16
10/23/96	Wednesday	6680	16
10/24/96	Thursday	3230	16
10/25/96	Friday	5010	16
10/28/96	Monday	4700	16
10/29/96	Tuesday	2620	16 '
10/30/96	Wednesday	4620	15
10/31/96	Thursday	4650	16
11/01/96	Friday	6230	16

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
11/04/96	Monday	5720	16
11/05/96	Tuesday	2230	16
11/06/96	Wednesday	2540	16
11/07/96	Thursday	3930	16
11/08/96	Friday	3360	16
11/11/96	Monday	6830	16
11/12/96	Tuesday	4730	16
11/13/96	Wednesday	3050	16
11/14/96	Thursday	3170	16
11/15/96	Friday	7220	16
11/18/96	Monday	7370	16
11/19/96	Tuesday	6920	16
11/20/96	Wednesday	7110	16
11/21/96	Thursday	7730	16
11/22/96	Friday	7850	16
11/23/96	Saturday	7110	9
11/25/96	Monday	7410	16
11/26/96	Tuesday	6930	16
11/27/96	Wednesday	4660	16
11/28/96	Thursday	holiday	0
01/29/96	Friday	holiday	0
12/02/96	Monday	7290	16
12/03/96	Tuesday	6090	- 16
12/04/96	Wednesday .	6580	16
12/05/96	Thursday	6180	16
12/06/96	Friday	6760	16
12/09/96	Monday	5800	16
12/10/96	Tuesday	1620	16
12/11/96	Wednesday	5490	16
12/12/96	Thursday	3010	16
12/13/96	Friday	6340	16
12/16/96	Monday	6290	16
12/17/96	Tuesday	6700	16
12/18/96	Wednesday	4640	16
12/19/96	Thursday	4710	16
12/20/96	Friday	850	16
12/21/96	Saturday	5310	05
12/23/96	Monday	. holiday	0
12/24/96	Tuesday	holiday	0
12/25/96	Wednesday	holiday	0
12/26/96	Thursday	1780	10
12/27/96	Friday	2570	10
12/28/96	Saturday	3750	8
12/30/96	Monday	holiday	0
12/31/96	Tuesday	holiday	0

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

### DOWNERS GROVE SANITARY DISTRICT Monitoring Data

Report Date: November 18, 1996 Analysis Date: November 12, 1996

Monitoring Location:

TRICON INDUSTRIES. INC.

2325 Wisconsin, Downers Grove, IL

Plating/Finishing Dept. Pretreated Discharge

Sample Number: Sample Date: Sample Type:	13682 10/28/96	13684 10/29/96 ISCO COMPOS	13686 10/30/96 ITE SAMPLES	13688 10/31/96
Parameters				
Antimony (T) Arsenic (T)	NA NA	NA NA	NA NA	NA NA
Barium (T)	NA	NA	NA	NA.
Beryllium (T) ' Boron (T)	NA NA	NA NA	NA NA	NA NA
Cadmium (T)	<.02 PPM	<.02 PPM	<.02 PPM	<.02 PPM
Chromium (T) Copper (T)	<.05 PPM 0.24 PPM	<.05 PPM 0.37 PPM	<.05 PPM 0.15 PPM	0.05 PPM 0.10 PPM
Iron (1)	NA	NA	NA	NA NA
Lead (T)	<.10 PPM	0.20 PPM	0.20 PPM	<.10 PPM
Manganese (T) Mercury (T)	NA NA	NA NA	NA NA	NA NA
Molybdenum (T)	NA	NA	NA	NA
Nickel (T)	0.22 PPM	0.37 PPM	0.37 PPM	0.32 PPM
Selenium (T) Silver (T)	NA 0.64 PPM	NA O SA DDM	NA O 10 DDM	NA O OF DDM
Thallium (T)	NA	0.54 PPM NA	0.10 PPM NA	0.05 PPM NA
Zinc (T)	0.06 PPM	0.10 PPM	0.06 PPM	0.08 PPM

Total Cyanides-13681 Grab 10/28/96 at 1110 hours

LT.01 mg/L

All analyses in accordance with 40 CFR Part 136.

### DOWNERS GROVE SANITARY DISTRICT Monitoring Data

Report Date: November 27, 1996 Analysis Date: November 26, 1996

Monitoring Location:

Tricon Industries

2325 Wisconsin, Downers Grove, IL

Inspection Manhole

Sample Number: Sample Date: 13709 11/20/96

Sample Type: Sample Time:

ISCO COMPOSITE

N/A

### Parameters

Antimony (T) Arsenic (T) Barium (T) Beryllium (T) Boron (T) Cadmium (T) Chromium (T) Copper (T) Iron (T) Lead (T) Manganese (T) Mercury (T) Molybdenum (T) Nickel (T) Selenium (T) Silver (T) Thallium (T)

Zinc (T)

NA NA NA NA NA <.02 PPM <.05 PPM 0.66 PPM NA <.10 PPM NA NA NA 0.18 PPM NA 0.43 PPM

NA

0.10 PPM

All analyses in accordance with 40 CFR Part 136.

#### DOWNERS GROVE SANITARY DISTRICT Monitoring Data

Report Date: January 27, 1997 Analysis Date: Janaury 20, 1997

Monitoring Location:

TRICON INDUSTRIES. INC.

2325 Wisconsin, Downers Grove, IL

Plating/Finishing Dept. Pretreated Discharge

				. —
Sample Number:	13716	13717	13718	13719
Sample Date:	1/06/97	1/07/97	1/08/97	1/09/97
Sample Type:	ISCO COMPOSITE SAMPLES			
Parameters				
Antimony (T)	NA	NA	NA	NA
Arsenic (T)	NA	NA	NA	NA
Barium (T)	NA	NA	NA	NA
Beryllium (T)	NA	NA	NA	NA
Boron (T)	NA	NA	NA	NA
Cadmium (T)	<.02 PPM	<.02 PPM	<.02 PPM	<.02 PPM
Chromium (T)	<.05 PPM	<.05 PPM	<.05 PPM	0.05 PPM
Copper (T)	0.20 PPM	0.10 PPM	0.06 PPM	0.06 PPM
Iron (T)	NA	NA	NA	NA
Lead (T)	<.10 PPM	<.10 PPM	<.10 PPM	<.10 PPM
Manganese (T)	NA	NA	NA	NA
Mercury (T)	NA	NA	NA	NA
Molybdenum (T)	NA	NA	NA	NA
Nickel (T)	0.11 PPM	0.05 PPM	0.04 PPM	0.03 PPM
Selenium (T)	NA	NA	NA	NA
Silver (T)	<.05 PPM	<.05 PPM	<.05 PPM	<.05 PPM
Thallium (T)	NA	NA	NA	NA
Zinc (T)	0.09 PPM	0.05 PPM	0.02 PPM	0.03 PPM

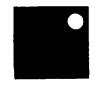
Total Cyanides-13715 Grab 1/06/97 at 1100 hours LT.01 mg/L

All analyses in accordance with 40 CFR Part 136.

3) The report shall be signed by an Authorized Representative of the permitted industrial user, or a duly authorized agent and shall include the following certification statement:

"I have personally examined and am familiar with the information submitted in the attached document and I hereby certify under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment."

- 4) When analyses are reported from an outside laboratory, the name, address and telephone number for the lab shall be included in the report.
- C. If the Permittee analyzes parameters listed in Sections II(A) and (B), at a frequency greater that that specified in Section III(A), the Permittee shall report these results in addition to those required in Section III(A).
- D. The Permittee shall notify the District within 24 hours of when they receive notice that a sample has exceeded a permit limit for any of the parameters listed in Section II(A) and (B). The discharge in question shall be resampled within a reasonable length of time, not to exceed 30 days from the date of the violation.
- E. Every six months, the Permittee shall collect one manual composite sample at sampling location 001-A, the pretreated, plating/finishing department wastewater discharge. It shall be collected over a normal operational day and analyzed for all the metals parameters listed in Section II(A). Cyanide shall be reported on one grab sample, collected at the cyanide destruction pit, 001-B. The results shall be submitted with the next regular self-monitoring report. These samples shall be representative of the volume and nature of the discharge.
- F. The permittee shall notify the District immediately, by telephone, upon any accidental or slug discharge to the District's system. The permittee shall follow up with a written report within five (5) days of the incident, fully describing what occurred, who was notified, how the spill was cleaned up and disposed of and what measures will be taken to prevent a reoccurrence. By ordinance, a slug is defined for a permit limited pollutant as a concentration five times or more the stated limit, or a pollutant at a concentration which either interferes with the treatment system or passes through to the receiving stream.



# TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

October 7, 1996

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Buchner

# RE: Quarterly Report of Waste Treatment Facility (July 1, 1996, through September 30, 1996)

Please be advised of the following analysis results.

Sample Date	pН	Total Cyanide	Sample	Copper	Silver	Nickel	Zinc
07/01/96	6.47-7.44	LT .01	Grab Composite	.29 .32	LT .05 LT .05	.25 .13	LT .05 LT .05
07/09/96	6.90-7.44	LT .01	Grab Composite	.38 .36	LT .05 LT .05	.54 .40	.07 LT .05
07/18/96	7.00-7.67	LT .01	Grab Composite	LT .05 .06	LT .05 LT .05	.10 .11	LT .05 LT .05
08/05/96	6.78-7.28	.03	Grab Composite	1.2 1.2	.10 .20	.21 .23	.11 .13
08/12/96	6.90-7.33	.01	Grab Composite	.53 .59	LT .05 LT .05	.11 .13	LT .05 .07
08/19/96	6.63-7.25	LT .01	Grab Composite	.15 .21	LT .05 LT .05	.13 .14	LT .05 LT .05
09/03/96	6.79-7.12	.01	Grab Composite	.50 .37	LT .05 LT .05	.19 .14	.09 .08
09/16/96	6.51-7.78	.04	Grab Composite	.24 .26	LT .05 LT .05	.18 .19	.07 .08
09/23/96	7.02-7.31	LT .01	Grab Composite	LT .05 LT .05	LT .05 LT .05	.09 .09	LT .05 LT .05

Laboratory results are reported by:

Enviro-Test/Perry Laboratory 319 Ogden Avenue Downers Grove, IL 60515 630/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

#### **WATER USAGE**

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
07/01/96	Monday	6110	16
07/02/96	Tuesday	3660	16
07/03/96	Wednesday	1690	16
07/04/96	Thursday	Holiday	0
07/05/96	Friday	Holiday	0
07/08/96	Monday	840	16
07/09/96	Tuesday	5090	16
07/10/96	Wednesday	1470	16
07/11/96	Thursday	2140	16
07/12/96	Friday	2430	16
07/15/96	Monday	1850	16
07/16/96	Tuesday	2540	16
07/17/96	Wednesday	<b>7</b> 270	16
07/18/96	Thursday	5180	16
07/19/96	Friday	2380	16
07/22/96	Monday	4930	16
07/23/96	Tuesday	4080	16
07/24/96	Wednesday	1950	16
07/25/96	Thursday	3830	16
07/26/96	Friday	4050	16
07/29/96	Monday	8090	16
07/30/96	Tuesday	4390	16
07/31/96	Wednesday	5160	16
08/01/96	Thursday	8080	16
08/02/96	Friday	7860	16
08/05/96	Monday	<b>748</b> 0	16
08/06/96	Tuesday	6620	16
08/07/96	Wednesday	3700	16

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
08/08/96	Thursday	5360	16
08/09/96	Friday	4410	16
08/12/96	Monday	7940	16
08/13/96	Tuesday	5700	16
08/14/96	Wednesday	6440	16
08/15/96	Thursday	4550	16
08/16/96	Friday	6610	16
08/19/96	Monday	7060	16
08/20/96	Tuesday	7330	16
08/21/96	Wednesday	7050	16
08/22/96	Thursday	<b>79</b> 60	16
08/23/96	Friday	4620	16
08/26/96	Monday	6630	16
08/27/96	Tuesday	2070	16
08/28/96	Wednesday	3290	16
08/29/96	Thursday	2590	16
08/30/96	Friday	2050	16
09/02/96	Monday	Holiday	0
09/03/96	Tuesday	<b>7520</b>	16
09/04/96	Wednesday	2690	16
09/05/96	Thursday	2150	16
09/06/96	Friday	2330	16
09/09/96	Monday	6180	16
09/10/96	Tuesday	5970	16
09/11/96	Wednesday	3710	16
09/12/96	Thursday	7190	16
09/13/96	Friday	<b>7</b> 550	16
09/16/96	Monday	7960	16
09/17/96	Tuesday	5860	16
09/18/96	Wednesday	7030	16
09/19/96	Thursday	7520	16
09/20/96	Friday	7470	16
09/23/96	Monday	6790	16
09/24/96	Tuesday	6030	16
09/25/96	Wednesday	6300	16
09/26/96	Thursday	4330	16
09/27/96	Friday	5130	16
09/30/96	Monday	5430	16

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel

Larry mc Oonie

Plant Superintendent



# TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

July 12, 1996

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Lacina:

# RE: Quarterly Report of Waste Treatment Facility (April 1, 1996, through June 30, 1996)

Please be advised of the following analysis results.

Sample Date	pН	Total Cyanide	Sample	Copper	Silver	Nickel	Zinc
Date	pri	Cydinac	bampic	Сорры	Silver	IVICKCI	ZIIIC
04/08/96	6.80-7.34	LT.01	Grab	.06	LT.05	.46	LT.05
			Composite	.12	LT.05	.62	LT.05
			-				
04/15/96	7.10-8.06	.01	Grab	.05	LT.05	.40	LT.05
			Composite	.12	LT.05	.44	LT.05
0.4/0.5/0.6	( (0 7 45	T 77 0.1	<b>6</b> 1	1.6	T TO OF	41	T TO 0.5
04/25/96	6.62-7.45	LT.01	Grab	1.6	LT.05	.41	LT.05
			Composite	1.7	.36	.45	LT.05
05/01/96	7.07-7.53	LT.01	Grab	.59	LT.05	.38	LT.05
05/01/50	7.07 7.33	21.01	Composite	.23	.05	.46	LT.05
							27.00
05/13/96	7.01-7.45	.01	Grab	.37	.09	.58	.08
			Composite	.45	.10	.67	.08
					_		
05/28/96	6.77-7.12	LT.01	Grab	.23	.54	.33	LT.05
			Composite	.25	LT.05	.36	LT.05
06/10/96	6.91-7.35	LT.02	Grab	.41	.19	.23	LT.05
00/10/90	0.9127.33	£1.02	Composite	.47	.06	.26	LT.05
			Composite	.47	.00	.20	1.05
06/17/96	6.80-7.37	LT.01	Grab	.06	LT.05	.10	LT.05
			Composite	.08	LT.05	.09	LT.05
06/24/96	6.98-7.42	.10	Grab	.40	.07	.26	LT.05
			Composite	.46	LT.05	.28	1.0
			•				
05/01/96	Special Tes	st Compos	site	Cadimium	Chromiun	n Lead	
				LT.02	LT.05	LT.025	5

Laboratory results are reported by:
Enviro-Test/Perry Laboratory
319 Ogden Avenue
Downers Grove, IL 60515
708/963-4672

No change in quantity of wastewater occurred during this period. Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill, disposal, and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters, since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the solvent management plan submitted to the District.

#### **WATER USAGE**

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
04/01/96	Monday	7090	16
04/02/96	Tuesday	4870	16
04/03/96	Wednesday	6920	16
04/04/96	Thursday	7050	16
04/05/96	Friday	Holiday	0
04/08/96	Monday	7020	16
04/09/96	Tuesday	5030	16
04/10/96	Wednesday	5950	16
04/11/96	Thursday	3540	16
04/12/96	Friday	7340	16
04/15/96	Monday	<b>7</b> 490	16
04/16/96	Tuesday	6220	16
04/17/96	Wednesday	, 5080	16
04/18/96	Thursday	6260	16
04/19/96	Friday	7550	16
04/22/96	Monday	7070	16
04/23/96	Tuesday	6970	16
04/24/96	Wednesday	6680	16
04/25/96	Thursday	6550	16
04/26/96	Friday	6320	16
04/29/96	Monday	3070	16
04/30/96	Tuesday	5990	16
05/01/96	Wednesday	6050	16
05/02/96	Thursday	1720	16
05/03/96	Friday	7470	16
05/06/96	Monday	5630	16
05/07/96	Tuesday	4910	16
05/08/96	Wednesday	<b>47</b> 60	16

DATE	DAY	WATER DISCHARGE (Gallons)	HOURS OF OPERATION
05/09/96	Thursday	5920	16
05/10/96	Friday	4480	16
05/13/96	Monday	7230	16
05/14/96	Tuesday	7340	16
05/15/96	Wednesday	6350	16
05/16/96	Thursday	4520	16
05/17/96	Friday	5450	16
05/20/96	Monday	6780	16
05/21/96	Tuesday	5510	16
05/22/96	Wednesday	6940	16
05/23/96	Thursday	7550	16
05/24/96	Friday	4620	16
05/27/96	Monday	Holiday	0
05/28/96	Tuesday	7180	16
05/29/96	Wednesday	4680	16
05/30/96	Thursday	<b>7</b> 060	16
05/31/96	Friday	3910	16
06/03/96	Monday	6440	16
06/04/96	Tuesday	<b>78</b> 60	16
06/05/96	Wednesday	<b>7</b> 590	16
06/06/96	Thursday	7920	16
06/07/96	Friday	5100	16
06/10/96	Monday	7430	16
06/11/96	Tuesday	6780	16
06/12/96	Wednesday	4520	16
06/13/96	Thursday	6220	16
06/14/96	Friday	5920	16
06/17/96	Monday	6750	16
06/18/96	Tuesday	2790	16
06/19/96	Wednesday	4650	16
06/20/96	Thursday	5790	16
06/21/96	Friday	1500	16
06/24/96	Monday	6710	16
06/25/96	Tuesday	2850	16
06/26/96	Wednesday	3930	16
06/27/96	Thursday	6040	16
06/28/96	Friday	5040	16
06/29/96	Saturday	2680	05

I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify, under penalty of law, that this information was obtained in accordance with the requirements of 403.2(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment.

Please feel free to contact me if you have any questions.

Sincerely,

Mr. Larry McDaniel Plant Superintendent

Farry mc Canie



# TRICON INDUSTRIES INCORPORATED ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

April 19, 1996

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Lacina:

RE: Quarterly Report of Waste Treatment Facility (January 1, 1996, through March 31, 1996)

Please be advised of the following analysis results.

Sample Date	рН	Total Cyanide	Sample	Copper	Silver	Nickel	Zinc
01/04/96	6.77-8.49	LT.01	Grab Composite	1.0 1.0	LT.05 .10	.30 .31	.20 .16
01/15/96	7.35-7.52	LT.01	Grab Composite	.08 .14	LT.05 LT.05	.20 .25	LT.05 .06
01/29/96	6.52-7.37	LT.01	Grab Composite	.10 .18	LT.05 .06	.13 .18	LT.05 LT.05
02/05/96	6.97-7.47	.01	Grab Composite	1.9 2.0	LT.05 LT.05	.14 .17	.05 .07
02/12/96	6.81-7.21	.03	Grab Composite	1.9 1.6	.06 .06	.34 .42	.07 .09
02/26/96	6.98-7.44	.13	Grab Composite	.30 .35	.05 .12	.06 .07	LT.05 LT.05
03/11/96	7.02-7.28	LT.01	Grab Composite	.23 .26	LT.05 LT.05	.33 .33	.07 .08
03/18/96	6.71-7.38	LT.01	Grab Composite	.18 .20	LT.05 LT.05	.29 .29	LT.05 LT.05
03/25/96	6.98-7.44	4 .14	Grab Composite	.33	LT.05 .22	.19 LT.05	LT.05 LT.05

# DOWNERS GROVE SANITARY DISTRICT Industrial Inspection Report

January 26, 1994 1330 Hours

District Representatives: Jan Lacina

Tom Van Howe

IU Representatives: Larry McDaniel, Plant Superintendent

Frank Mroczka, Plating Supervisor

IU Phone Number: 964-2330

This inspection was a routine annual visit. It was scheduled in advance with Mr. McDaniel to be sure he would be available.

COMPLIANCE: Review of the files-for-Tricon indicated that in 1993, only one composite sample was analyzed for all the Part 433 parameters, while the permit-requires this every six months. A note was submitted in the report for the second calendar quarter indicating that the lab failed to run the composite, but that one would be submitted in July. It may be that the sample was run but not reported, due to an oversight. Mr. McDaniel said he would look into it.

No permit excursions were noted during 1993.

<u>CHANGES</u>: No changes were made to the operations or equipment on site, other than moving some machinery around to give the operator more room. A plastic grinding operation was added to allow for recycling of the excess plastic that results after the parts are molded.

No changes to process water discharges or uses, although the chiller drainage is reduced because the system is no longer shut down over the weekend.

<u>PLATING/FINISHING DEPARTMENT</u>: The general schedule for plating remains unchanged with most of the plating done on first shift. A third person, on second shift does some plating and vibratory finishing. Plating shuts down no later than 1730 hours depending on the work schedule.

The plating system tanks were pumped out September 2, 1993, with the material shipped off by Clean Harbors-Chicago to their Connecticut branch for chemical/physical precipitation. I examined the manifest for this 4000 gallon shipment (IL4825776).

After the tanks were pumped and scraped, a new epoxy/fiberglass liner was installed. Frank had several photographs of the finished lining, which looked fairly substantial

No other maintenance or repair work was done during the past year beyond probe replacement.

Gary and Frank do the pH calibration of probes, checks on the system and do all the sample collection work. pH testing is done in house to assure the proper calibration of the pH probes in the treatment tanks and valid pH measurements for quality control. A bench meter is calibrated using two buffers, fresh aliquotes taken daily.

Metals and cyanides are run by Envirotest/Perry Labs. Tricon does have a copy of the procedures the lab uses and has visited their facility to see what is involved in the analytical work.

Larry McDaniel, Frank and Gary are each certified with an IEPA Class K certificate.

CHEMICAL STORAGE: Chemical storage areas have moved. Larry will be getting a centralized location for oils and solvents set up later this year, when the space is available.

A quantity of waste material was disposed of through Clean Harbors. This included some waste CFCs which were on site long term and being stored on the loading dock.

Generally the uses of chemicals remains unchanged at the facility, but the amount of materials on site is reduced. A vapor degreaser unit in Finishing Dept. uses perchloroethylene, both the clean and waste is stored short term on site. Avganic (also known as Hydrite) handles removal and recycling of the waste and supplies the clean solvent.

Safety Kleen units are in the shop area as well as small (5 gallons or less) amounts of isopropyl alcohol.

The plating area is where most of the other chemicals are used so there is storage for acids, alkaline, and toxics like cyanide. A separate, locked cabinet is used for storage of the powdered cyanide. Chemicals are properly stored to prevent accidental reactive mixing.

SLUG CONTROL PLAN: The Emergency Contingency Plans are unchanged since they were developed in 1992. With the changes on site, I recommended that they be brought up to date. Tricon has a moderate risk to have a slug load. They do not have any large quantities of bulk chemicals but could have a spill or leak in plating that would result in a slug discharge. The plan identified as the Emergency Contingency Plan covers most of the requirements of a Slug Control Plan.

#### SUMMARY:

- 1. Tricon must comply with the permit requirement for analyzing one composite sample, every six months for all the parameters listed in the permit.
- 2. When the semi-annual results are listed, a sample date should be indicated in the self-monitoring report.
- 3. The slug load/emergency contingency plan should be updated to current chemical inventory, safety and use situations.

Industrial Monitoring Data Summary

Report Date:

March 12, 2001

Analysis Date:

February 22 and 23, 2001

Monitoring Location:

Sample Number:

Tricon Industries

2325 Wisconsin, Downers Grove, IL

Plating/Finshing Department-Pretreated Discharge 15478 15481 15483

15485

Sample Date:	2/12/01	2/13/01	2/14/01	2/15/01
Sample Type:	Composite	Composite	Composite	Composite
Parameters:				
Antimony (T) mg/L				
Arsenic (T) mg/L				
Barium (T) mg/L				
Beryllium (T) mg/L				
Boron (T) mg/L				
Cadmium (T) mg/L	< .02	< .02	< .02	< .02
Chromium (T) mg/L	< .05	< .05	< .05	< .05
Chromium (+6) mg/L				
Copper (T) mg/L	0.08	0.13	0.42	0.93
Iron (T) mg/L				
Lead (T) mg/L	< .10	< .10	< .10	< .10
Manganese (T) mg/L				
Mercury (T) mg/L				
Molybdenum (T) mg/L	0.50	0.04	2.00	
Nickel (T) mg/L	0.56	0.31	0.38	0.52
Selenium (T) mg/L	- 05	0.06	0.44	0.00
Silver (T) mg/L	< .05	0.06	0.11	0.23
Thailium (T) mg/L	0.02	0.01	0.06	0.01
Zinc (T) mg/L	0.02	0.01	0.00	0.01
Total Cyanide mg/L . Feb	raury 13, 2001			

Time:

11:55

< .01

1

Analyses are in accordance with 40 CFR Part 136

Sample Number: 15479

BOARD OF TRUSTEES Donald E. Eckmann President Wallace D. Van Buren Vica-President David J. Morrill

# **Downers Grove Sanitary District**

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827

Providing a Better Environment for South Central **DuPage County** 

Michael C. Wiedel

LEGAL COUNSEL

Lawrence C. Cox General Manager

Ralph E. Smith, Jr.

Sheila K. Henschel

**Administrative Services** 

Operations Director

STAFF

March 12, 2001 Larry MacDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Dear Mr. MacDaniel:

A copy of my inspection report is enclosed, along with the results of our monitoring of the plating/finishing discharge from July of 2000.

Markey Missis Association of Mactowater Associate

Everything looked fine on my visit, as usual. Keep up the good work.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

**Enclosure** 

**Industrial Monitoring Data Summary** 

Report Date:

February 23, 2001

Analysis Date:

February 22 and 23, 2001

Monitoring Location:

Thallium (T) mg/L Zinc (T) mg/L

Tricon Industries

2325 Wisconsin, Downers Grove, IL

0.01

0.06

0.01

	Plating/Finshi	ng Department-Pr	retreated Discharg	ge .
Sample Number:	15478	15481	15483	15485
Sample Date:	2/12/01	2/13/01	2/14/01	2/15/01
Sample Type:	Composite	Composite	Composite	Composite
Parameters:				•
Antimony (T) mg/L				
Arsenic (T) mg/L				
Barium (T) mg/L				
Beryllium (T) mg/L				
Boron (T) mg/L				
Cadmium (T) mg/L	< .02	< .02	< .02	< .02
Chromium (T) mg/L	< .05	< .05	< .05	< .05
Chromium (+6) mg/L				
Copper (T) mg/L	0.08	0.13	0.42	0.93
Iron (T) mg/L				
Lead (T) mg/L	< .10	< .10	< .10	< .10
Manganese (T) mg/L				
Mercury (T) mg/L				
Molybdenum (T) mg/L				
Nickel (T) mg/L	0.56	0.31	0.38	0.52
Selenium (T) mg/L				
Silver (T) mg/L	< .05	0.06	0.11	0.23
- · · · · · · · · · · · · · · · · · · ·				

0.02

Industrial Monitoring Data Summary

Report Date: Analysis Date:

February 28, 2001 October, 2000

Monitoring Location:

TRICON, INC.

2325 Wisconsin, DG

Total Flow 15465

Sample Number: Sample Date: Sample Type:

10/18/00 Composite

Pollutant:

Antimony (T) mg/L Arsenic (T) mg/L

<.0024

Barium (T) mg/L Beryllium (T) mg/L Baron (T) mg/L

Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L

<0.02 <0.05

Chromium (+6) mg/L

0.08

Copper (T) mg/L Iron (T) mg/L

<0.10

Lead (T) mg/L Manganese (T) mg/L

<.0002

Mercury (T) mg/L Molybdenum (T) mg/L

<0.05

Nickel (T) mg/L Selenium (T) mg/L Silver (T) mg/L

<.0007 <0.05

Thallium (T) mg/L Zinc (T) mg/L

0.28

Total Cyanide mg/L

15463

10/19/00

8:45

0.06

Analyses performed in accordance with

40 CFR Part 136

Industrial Monitoring Data Summary

Report Date: Analysis Date:

February 23, 2001

Monitoring Location:		Tricon Industrie 25 Wisconsin, Dov Department-Pretre	wners Grove, IL	
Sample Number:	15472	15473	15474	15475
Sample Date:	12/21/00	1/3/01	1/15/01	1/22/01
Sample Type:	Composite	Composite	Composite	Composite
Antimony (T) mg/L	•			
Arsenic (T) mg/L				
Barium (T) mg/L				
Beryllium (T) mg/L				
Boron (T) mg/L				
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02
Chromium (T) mg/L	<0.05	<0.05	<0.05	<0.05
Chromium (+6) mg/L			4	
Copper (T) mg/L	8.0	0.23	1.7	0.19
Iron (T) mg/L	-0.40	.0.40	-0.40	-0.40
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10
Manganese (T) mg/L				
Mercury (T) mg/L				
Molybdenum (T) mg/L Nickel (T) mg/L	0.06	0.06	0.17	0.13
Selenium (T) mg/L	0.00	0.00	0.17	0.13
Silver (T) mg/L	0.12	< 0.05	0.07	<0.05
Thallium (T) mg/L	<b>0.72</b>	-0.00	0.07	-0.00
Zinc (T) mg/L	0.01	0.02	0.04	0.03
` , 3				

Industrial Monitoring Data Summary

Report Date:

Febraury 23, 2001

кероп рате:	rebrauty 23, 2	001		
Monitoring Location:		Tricon Industrie	es	
Monitoring Education.	23	25 Wisconsin, Dov		
		g Department-Pret		
Sample Number:	15433	15458	15466	15467
Sample Number:	10/2/00	10/11/00	10/23/00	11/1/00
•	Composite	Composite	Composite	Composite
Sample Type:	Composite	Composite	Composite	Composite
Antimony (T) mg/L				*.
Arsenic (T) mg/L				
Barium (T) mg/L				
Beryllium (T) mg/L				
Boron (T) mg/L	0.00		-0.00	-0.00
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02
Chromium (T) mg/L	<0.05	<0.05	<0.05	<0.05
Chromium (+6) mg/L				
Copper (T) mg/L	1.07	0.15	0.23	0.10
Iron (T) mg/L				
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10
Manganese (T) mg/L				
Mercury (T) mg/L				
Molybdenum (T) mg/L				
Nickel (T) mg/L	0.07	<0.05	<0.05	<0.05
Selenium (T) mg/L				
Silver (T) mg/L	<0.05	<0.05	<0.05	<0.05
Thallium (T) mg/L				
Zinc (T) mg/L	0.03	0.03	0.03	0.02
Sample Number:	15468	15469	15470	15471
Sample Date:	11/13/00	11/28/00	12/5/00	12/18/00
Sample Type:	Composite	Composite	Composite	Composite
Antimony (T) mg/L				55p55.t5
Arsenic (T) mg/L				
Barium (T) mg/L				
Beryllium (T) mg/L				
Boron (T) mg/L				
Cadmium (T) mg/L	<0.02	<0.02	< 0.02	<0.02
Chromium (Ť) mg/L	<0.05	< 0.05	< 0.05	<0.05
Chromium (+6) mg/L				
Copper (T) mg/L	0.65	0.71	0.08	0.36
Iron (T) mg/L				
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10
Manganese (T) mg/L				
Mercury (T) mg/L				
Molybdenum (T) mg/L				
Nickel (T) mg/L	0.07	< 0.05	0.07	<0.05
Selenium (T) mg/L		<b></b>		0,04
Silver (T) mg/L	0.16	<0.05	< 0.05	<0.05
Thallium (T) mg/L		2.00		2.22
Zinc (T) mg/L	0.06	0.03	0.03	0.02
(.,3		0.00		

All analyses in accordance with 40 CFR Part 136

**Industrial Monitoring Data Summary** 

Report Date: Analysis Date:

February 23, 2001

Monitoring Location:		Tricon Industries 5 Wisconsin, Dow	ners Grove, IL	
Sample Number: Sample Date: Sample Type: Antimony (T) mg/L	Plating/Finshing I 15288 7/17/00 Composite	Department-Pretre 15297 7/24/00 Composite	ated Discharge 15328 8/7/00 Composite	15350 8/16/00 Composite
Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02
Chromium (T) mg/L	<0.05	<0.05	<0.05	<0.05
Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L	0.78	0.09	0.04	0.35
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10
Manganese (T) mg/L				
Mercury (T) mg/L				
Molybdenum (T) mg/L			*	
Nickel (T) mg/L	0.06	0.05	* 0.11	<0.05
Selenium (T) mg/L	0.11	<0.05	<0.05	<0.05
Silver (T) mg/L Thallium (T) mg/L	<b>U.</b> 1 1	<0.05	<0.05	<0.05
Zinc (T) mg/L	0.03	0.02	0.02	<0.01
Ziilo (1) Mg/L	0.00	0.02	. 0.02	3,5,
Sample Number:	15369	15400	15407	15420
Sample Date:	8/28/00	9/12/00	9/18/00	9/25/00
Sample Date: Sample Type:				
Sample Date: Sample Type: Antimony (T) mg/L	8/28/00	9/12/00	9/18/00	9/25/00
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L	8/28/00	9/12/00	9/18/00	9/25/00
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L	8/28/00	9/12/00	9/18/00	9/25/00
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L	8/28/00	9/12/00	9/18/00	9/25/00
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L	8/28/00	9/12/00	9/18/00	9/25/00
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L	8/28/00 COMPOSITE	9/12/00 COMPOSITE	9/18/00 COMPOSITE	9/25/00 COMPOSIT
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L	8/28/00 COMPOSITE <0.02 <0.05	9/12/00 COMPOSITE <0.02 <0.05	9/18/00 COMPOSITE <0.02 <0.05	9/25/00 COMPOSIT <0.02 <0.05
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L	8/28/00 COMPOSITE <0.02	9/12/00 COMPOSITE <0.02	9/18/00 COMPOSITE <0.02	9/25/00 COMPOSIT <0.02
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24	9/12/00 COMPOSITE <0.02 <0.05 0.24	9/18/00 COMPOSITE <0.02 <0.05 0.58	9/25/00 COMPOSIT <0.02 <0.05 0.36
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05	9/12/00 COMPOSITE <0.02 <0.05	9/18/00 COMPOSITE <0.02 <0.05	9/25/00 COMPOSIT <0.02 <0.05
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24	9/12/00 COMPOSITE <0.02 <0.05 0.24	9/18/00 COMPOSITE <0.02 <0.05 0.58	9/25/00 COMPOSIT <0.02 <0.05 0.36
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24	9/12/00 COMPOSITE <0.02 <0.05 0.24	9/18/00 COMPOSITE <0.02 <0.05 0.58	9/25/00 COMPOSIT <0.02 <0.05 0.36
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24	9/12/00 COMPOSITE <0.02 <0.05 0.24	9/18/00 COMPOSITE <0.02 <0.05 0.58	9/25/00 COMPOSIT <0.02 <0.05 0.36
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lopper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24 <0.10	9/12/00 COMPOSITE <0.02 <0.05 0.24 <0.10	9/18/00 COMPOSITE <0.02 <0.05 0.58 <0.10	9/25/00 COMPOSIT <0.02 <0.05 0.36 <0.10
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lead (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L Silver (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24 <0.10	9/12/00 COMPOSITE <0.02 <0.05 0.24 <0.10	9/18/00 COMPOSITE <0.02 <0.05 0.58 <0.10	9/25/00 COMPOSIT <0.02 <0.05 0.36 <0.10
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lopper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	8/28/00 COMPOSITE <0.02 <0.05 0.24 <0.10	9/12/00 COMPOSITE <0.02 <0.05 0.24 <0.10	9/18/00 COMPOSITE <0.02 <0.05 0.58 <0.10	9/25/00 COMPOSIT <0.02 <0.05 0.36 <0.10

Industrial Site Visit Report

Location: Tricon Industries, Inc.

Address: 2325 Wisconsin, Downers Grove, Illinois 60515

Date: February 17, 2000 Time: 09:00 Hours

Facility Representative: Larry McDaniel

District Representative: Janet Buchner and Greg Hecimovich

The inspection was the annual, routine site visit and was scheduled the previous week.

The facility produces electrical connectors used in the automotive, communications and household appliance industries. There have been no changes to operations or wastewater discharges since the last inspection. Mr. MacDaniel estimated the total number of employees at the three Tricon facilities to be 500. The plant operates over three shifts, but plating-finishing has been operating one 10 hour shift since Spring 1999. Plating business is down slightly, while the plant's overall production was up in 1999.

The plating department pretreatment system is unchanged. They cannot find replacement probes for the old system and will be replacing the control cabinet within the next few months. In October of 1999 the treatment tanks were checked and no sludge was found. The addition of filtration to the vibratory fishing discharges is probably why no solids are accumulating in the tanks.

Plating logs and lab results were reviewed and found in order. Plating staff logs the operations and water use each day, making notes as to when samples are collected and anything unusual occurs. Tricon continues to use Enviro-Test for all analytical work. They do the sampling and then run the samples to the lab. They were concerned when the first composite of 2000 reported higher copper and silver values. They were within the permit limits but higher than they had been. DGSD results confirmed the numbers so the concern is that something happens when the system is first started up after being shut down for a period.

During the file review I had noted that the samples were all listed as being composites, which is incorrect since the cyanide must be a grab. After verifying that the CN sample was a grab I asked Mr. MacDaniel to indicate on the quarterly self-monitoring reports that the CN samples are grabs, which he said he would do.

We walked through the plant. There are no floor drains in any production areas of the plant except those in the plating area, which all drain to the treatment tanks. The waste collection and storage area in the southeast corner had a few drums, either waste nickel or oil. All were labeled. Fresh oil is stored along a wall in the production area where it is convenient for use. Empty drums are stored outside. I commented to Larry that IEPA

might not like that since they are not covered, he said they could dispose of most of the drums if that's the case. It is a secured area right next to the building.

Summary: Tricon is in compliance with the permit conditions. I would suggest that the empty drum storage either be covered or moved inside to prevent contamination of soils or surface waters.

Industrial Monitoring Data Summary

Report Date:

August 8, 2000

Analysis Date:

Analysis Date:							
Monitoring Location: Tricon Industries							
morning 2000mm	2325 Wisconsin, Downers Grove, IL						
	Plating/Finshing Department-Pretreated Discharge						
Sample Number:	15144 15150 15170 15187						
Sample Date:	4/25/00	5/1/00	5/15/00	5/22/00			
Sample Type:	Composite	Composite	Composite	Composite			
Antimony (T) mg/L				· · · · •			
Arsenic (T) mg/L							
Barium (T) mg/L							
Beryllium (T) mg/L							
Boron (T) mg/L							
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02			
Chromium (T) mg/L	<0.05	<0.05	< 0.05	<0.05			
Chromium (+6) mg/L	1	0.00	3.33				
Copper (T) mg/L	0.29	0.1	1.3	0.71			
Iron (T) mg/L	0.20			• • • • • • • • • • • • • • • • • • • •			
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10			
Manganese (T) mg/L	3.13	0	0.10	0.10			
Mercury (T) mg/L							
Molybdenum (T) mg/L							
Nickel (T) mg/L	0.07	0.05	0.05	0.05			
Selenium (T) mg/L	0.01	0.00	0.00	0.00			
Silver (T) mg/L	0.08	<0.05	0.12	<0.05			
Thallium (T) mg/L	0.00	0.00	0.72	-0.00			
Zinc (T) mg/L	0.01	0.02	0.08	0.05			
				5.55			
Sample Number:	15209	15238	15250	15268			
Sample Date:	6/05/00	6/19/0ა	6/26/00	7/10/00			
Sample Type:	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSIT			
Antimony (T) mg/L							
Arsenic (T) mg/L							
Barium (T) mg/L							
Beryllium (T) mg/L							
Boron (T) mg/L							
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02			
Chromium (T) mg/L	<0.05	<0.05	< 0.05	< 0.05			
Chromium (+6) mg/L							
Copper (T) mg/L	0.05	0.06	0.2	0.14			
iron (T) mg/L							
Lead (T) mg/L	<0.10	<0.10	0.2	<0.10			
Manganese (T) mg/L							
Mercury (T) mg/L							
Molybdenum (T) mg/L							
Nichel (T) mg/L	0.05	<0.05	<0.05	0.13			
Selenium (T) mg/L							
Silver (T) mg/L	<0.05	< 0.05	<0.05	<0.05			
Thallium (T) mg/L							
Zinc (T) mg/L	0.02	0.2	0.02	0.02			

Industrial Monitoring Data Summary

Report Date: Analysis Date:

August 8, 2000

Zinc (T) mg/L

Analysis Date:						
Monitoring Location:	Tricon Industries 2325 Wisconsin, Downers Grove, IL					
	Plating/Finshing Department-Pretreated Discharge					
Sample Number:	15062	15064	15065	15070		
Sample Date:	2/14/00	2/23/00	3/1/00	3/13/00		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L						
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02		
Chromium (T) mg/L	<0.05	0.37	<0.05	<0.05		
Chromium (+6) mg/L		2.52	2.24	0.40		
Copper (T) mg/L	0.13	0 52	0.24	0.19		
Iron (T) mg/L	0.00	-0.40	10.40	.0.40		
Lead (T) mg/L	0.29	<0.10	<0.10	<0.10		
Manganese (T) mg/L						
Mercury (T) mg/L Molybdenum (T) mg/L						
Nickel (T) mg/L	0.08	<0.05	<0.05	0.08		
Selenium (T) mg/L	0.00	<b>~0.03</b>	<b>~0.03</b>	0.00		
Silver (T) mg/L	<0.05	<0.05	<0.05	0.05		
Thallium (T) mg/L	10.03	40.00	10,00	0.03		
Zinc (T) mg/L	0.01	0.01	0.01	0.02		
(				3.3.		
Sample Number:	15096	15121	15128	15135		
Sample Date:	3/28/00	4/6/00	4/9/00	4/17/00		
Sample Type:	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSIT		
Antimony (T) mg/L						
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02		
Chromium (T) mg/L	<0.05	<0.05	<0.05	<0.05		
Chromium (+6) mg/L	0.92	0.62	0.47	0.00		
Copper (T) mg/L Iron (T) mg/L	0.92	0.63	0.17	0.22		
Lead (T) mg/L	<0.10	<0.10	-0.40	-0.40		
Manganese (T) mg/L	<b>~0.10</b>	<b>~0.10</b>	<0.10	<0.10		
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	<0.05	<0.05	<0.05	<0.05		
Selenium (T) mg/L	-0,00	40.00	<b>~0.00</b>	, <0.00		
Silver (T) mg/L	<0.05	0.1	0.12	0.05		
Thallium (T) mg/L	3.00	0.1	0.12	0.00		

0.01

0.01

0.09

0.02

**BOARD OF TRUSTEES** Donald E. Eckmann President Wallace D. Van Buren Vice-President David J. Morrill

# **Downers Grove Sanitary District**

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827

General Manager Ralph E. Smith, Jr. **Operations Director** Sheila K. Henschel Administrative Services Director

Lawrence C. Cox

STAFF

**LEGAL COUNSEL** Michael C. Wiedel

Providing a Better Environment for South Central **DuPage** County

February 21, 2000 Larry McDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Re: Site visit report for February 17, 2000

Dear Mr. McDaniel:

I have enclosed a copy of my inspection report from our visit of February 17, 2000. I have also enclosed a copy of the data from the middle of 1999 on the split composites that includes a corrected value for the silver on the June 1 sample as .07 mg/L.

During the inspection and file review I found no serious problem with permit compliance. You do want to indicate on the self-monitoring reports that the cyanide sample is a grab sample, not a composite. The spill contingency plan you submitted in March of 1999 is fine and approved as written.

You should reevaluate the drum storage outside. While this does not affect you permit compliance it is an issue for the stormwater people. The area is a secured, which is good, but it is not covered. IEPA is concerned about chemicals rinsing off the drums, getting into the soil and running off into surface water. If you can either find a covered area to store them or simply cover them, it would be better.

Please feel free to call me if you have any questions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Buchner

Laboratory Services Director

Enclosure

Industrial Monitoring Data Summary

Report Date:	October 21, 1999				
Analysis Date:	June 10 and October 7 & 8, 1999				
Monitoring Location:	Tricon Industries				
	2325 Wisconsin, Downers Grove, IL				
	Plating/Finshing Department-Pretreated Discharge				
Sample Number:	14719	14720	14753	14770	
Sample Date:	4/26/99	5/03/99	5/17/99	5/24/99	
Sample Type:	Composite	Composite	Composite	Composite	
Antimony (T) mg/L	Composito	Composito <sub>.</sub>	00p000	55p555	
Arsenic (T) mg/L					
Barium (T) mg/L					
Beryllium (T) mg/L					
Boron (T) mg/L					
Cadmium (T) mg/L	<0.02	<0.02	<0.02	< 0.02	
Chromium (T) mg/L	<0.05	< 0.05	< 0.05	< 0.05	
Chromium (+6) mg/L	40.00	10.00	40.00	40.00	
Copper (T) mg/L	0.6	0.34	0.33	0.31	
Iron (T) mg/L	0.0	0.04	0.00	0.51	
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10	
Manganese (T) mg/L	-0.10	10.10	-0.10	-0.10	
Mercury (T) mg/L					
Molybdenum (T) mg/L					
Nickel (T) mg/L	0.13	0.13	0.19	0.13	
Selenium (T) mg/L	0.10	0.10	0.10	0.10	
Silver (T) mg/L	0.03	0.04	0.02	0.02	
Thallium (T) mg/L	0.00	0.04	0.02	0.02	
Zinc (T) mg/L	0.03	0.02	0.02	0.02	
2.110 (1) 111g/2	0.00	0.02	0.02	0.02	
Sample Number:	14787	14803	14832	14848	
Sample Date:	6/01/99	6/14/99	6/28/99	7/08/99	
Sample Type:	Composite	Composite	Composite	Composite	
. Antimony (T) mg/L		,	•	•	
Arsenic (T) mg/L					
Barium (T) mg/L					
Beryllium (T) mg/L					
Boron (T) mg/L					
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02	
Chromium (T) mg/L	< 0.05	<0.05	<0.05	< 0.05	
Chromium (+6) mg/L					
Copper (T) mg/L	0.98	0.65	0.45	0.99	
Iron (T) mg/L					
Lead (T) mg/L	<0.10	<0.10	0.10	0.10	
Manganese (T) mg/L					
Mercury (T) mg/L					
Molybdenum (T) mg/L					
Nickel (T) mg/L	0.07	0.07	0.07	0.07	
Selenium (T) mg/L					
Silver (T) mg/L	0.07	0.06	0.03	0.09	
Thallium (T) mg/L					
Zinc (T) mg/L	0.03	0.02	0.01	0.01	

Industrial Monitoring Data Summary

Report Date: February 16, 2000

Monitoring Location: Tricon Industries

Monitoring Location.	THOUT HIGHS THE						
	2325 Wisconsin, Downers Grove, IL						
	Plating/Finshing Department-Pretreated Discharge						
Sample Number:	<b>1505</b> 5 15056 15058						
Sample Date:	1/17/00	1/24/00	2/7/00				
Sample Type:	Composite	Composite	Composite				
Antimony (T) mg/L							
Arsenic (T) mg/L							
Barium (T) mg/L							
Beryllium (T) mg/L							
Boron (T) mg/L							
Cadmium (T) mg/L	<0.02	<0.02	<0.02				
Chromium (T) mg/L	<0.05	<0.05	<0.05				
Chromium (+6) mg/L							
Copper (T) mg/L	0.66	1.50	1.30				
Iron (T) mg/L							
Lead (T) mg/L	<0.10	<0.10	<0.10				
Manganese (T) mg/L							
Mercury (T) mg/L							
Molybdenum (T) mg/L							
Nickel (T) mg/L	<0.05	0.07	0.07				
Selenium (T) mg/L							
Silver (T) mg/L	0.02	0.05	0.18				
Thallium (T) mg/L							
Zinc (T) mg/L	0.02	0.02	0.02				

Industrial Monitoring Data Summary

Report Date: February 15, 2000

•	•					
Monitoring Location:	ocation: Tricon Industries					
Wormoning Edeation.	2325 Wisconsin, Downers Grove, IL					
	Plating/Finshing Department-Pretreated Discharge					
Sample Number:	15019	15023	15033	15041		
Sample Namber:	10/14/99	10/25/99	11/1/99	11/11/99		
Sample Date: Sample Type:	Composite	Composite	Composite	Composite		
	Composite	Composite	Composite	Composite		
Antimony (T) mg/L						
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L	0.00	0.00	.0.00	.0.00		
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02		
Chromium (T) mg/L	< 0.05	<0.05	<0.05	<0.05		
Chromium (+6) mg/L						
Copper (T) mg/L	0.66	0.20	0.24	0.12		
Iron (T) mg/L						
Lead (T) mg/L	<0.10	<0.10	< 0.10	<0.10		
Manganese (T) mg/L						
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	< .05	0.05	<.05	0.10		
Selenium (T) mg/L						
Silver (T) mg/L	0.02	0.04	<0.02	<0.02		
Thallium (T) mg/L						
Zinc (T) mg/L	0.02	0.02	0.02	0.01		
Sample Number:	15044	15045	15048	15049		
Sample Date:	11/28/99	12/6/99	12/27/99	1/4/00		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L						
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.02	<0.02	< 0.02		
Chromium (T) mg/L	<0.05	<0.05	< 0.05	<0.05		
Chromium (+6) mg/L						
Copper (T) mg/L	0.9	0.38	0.50	1.31		
Iron (T) mg/L						
Lead (T) mg/L	<0.10	< 0.10	< 0.10	<0.10		
Manganese (T) mg/L						
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	0.1	0.06	0.04	0.07		
Selenium (T) mg/L						
Silver (T) mg/L	0.08	0.11	0.03	0.32		
Thallium (T) mg/L		2				
Zinc (T) mg/L	0.02	0.06	0.01	0.01		
	U.U.	0.00	0.01	0.01		

**Industrial Monitoring Data Summary** 

Report Date:

February 15, 2000

Monitoring Location:

Tricon Industries

2325 Wisconsin, Downers Grove, IL
Plating/Finshing Department-Pretreated Discharge

	Plating/Finshing Department-Pretreated Discharge					
Sample Number:	14864	14881	14898	14918		
Sample Date:	7/19/99	7/26/99	8/2/99	8/11/99		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L				- Composito		
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02		
Chromium (T) mg/L	<0.05	<0.05	<0.05	< 0.05		
Chromium (+6) mg/L	5.55	0.00	0.00	-0.00		
Copper (T) mg/L	0.35	0.10	0.82	0.92		
Iron (T) mg/L	0.00	0.10	J.02	0.02		
Lead (T) mg/L	0.10	0.23	0.10	0.10		
Manganese (T) mg/L	0.10	0.20	0.10	Q. 10		
Mercury (T) mg/L						
Molybdenum (T) mg/L						
idickel (T) mg/L	0.07	0.07	0.14	0.10		
Selenium (T) mg/L	0.01	0.07	0.14	0.10		
Silver (T) mg/L	0.03	0.03	0.18	0.03		
Thallium (T) mg/L	0.00	0.00	0.10	0.03		
Zinc (T) mg/L	0.04	0.03	0.01	<.01		
Zilic (1) ilig/L	0.04	0.03	0.01	<b>\.</b> 01		
Sample Number:	14945	14962	14979	14991		
Sample Number: Sample Date:	14945 8/25/99	14962 9 <i>/</i> 7/99	14979 9/16/99	14991 9/27/99		
Sample Date:	8/25/99	9/7/99	9/16/99	9/27/99		
Sample Date: Sample Type:						
Sample Date:	8/25/99	9/7/99	9/16/99	9/27/99		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L	8/25/99	9/7/99	9/16/99	9/27/99		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L	8/25/99	9/7/99	9/16/99	9/27/99		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L	8/25/99	9/7/99	9/16/99	9/27/99		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L	8/25/99	9/7/99	9/16/99	9/27/99		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L	8/25/99 Composite	9/7/99 Composite	9/16/99 Composite	9/27/99 Composite <0.02		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L	8/25/99 Composite <0.02	9/7/99 Composite <0.02	9/16/99 Composite <0.02	9/27/99 Composite		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L	8/25/99 Composite <0.02	9/7/99 Composite <0.02	9/16/99 Composite <0.02	9/27/99 Composite <0.02		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L	8/25/99 Composite <0.02 <0.05	9/7/99 Composite <0.02 <0.05	9/16/99 Composite <0.02 <0.05	9/27/99 Composite <0.02 <0.05		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L	8/25/99 Composite <0.02 <0.05	9/7/99 Composite <0.02 <0.05	9/16/99 Composite <0.02 <0.05	9/27/99 Composite <0.02 <0.05 0.46		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41	9/7/99 Composite <0.02 <0.05 0.60	9/16/99 Composite <0.02 <0.05 0.14	9/27/99 Composite <0.02 <0.05		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41	9/7/99 Composite <0.02 <0.05 0.60	9/16/99 Composite <0.02 <0.05 0.14	9/27/99 Composite <0.02 <0.05 0.46		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41	9/7/99 Composite <0.02 <0.05 0.60	9/16/99 Composite <0.02 <0.05 0.14	9/27/99 Composite <0.02 <0.05 0.46		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41 <0.10	9/7/99 Composite <0.02 <0.05 0.60	9/16/99 Composite <0.02 <0.05 0.14	9/27/99 Composite <0.02 <0.05 0.46 <0.10		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Nickel (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41	9/7/99 Composite <0.02 <0.05 0.60 <0.10	9/16/99 Composite <0.02 <0.05 0.14 <0.10	9/27/99 Composite <0.02 <0.05 0.46		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lead (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41 <0.10	9/7/99 Composite <0.02 <0.05 0.60 <0.10	9/16/99 Composite <0.02 <0.05 0.14 <0.10	9/27/99 Composite <0.02 <0.05 0.46 <0.10		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L Silver (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41 <0.10	9/7/99 Composite <0.02 <0.05 0.60 <0.10	9/16/99 Composite <0.02 <0.05 0.14 <0.10	9/27/99 Composite <0.02 <0.05 0.46 <0.10		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lead (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	8/25/99 Composite <0.02 <0.05 0.41 <0.10	9/7/99 Composite <0.02 <0.05 0.60 <0.10	9/16/99 Composite <0.02 <0.05 0.14 <0.10	9/27/99 Composite <0.02 <0.05 0.46 <0.10		

All analyses in accordance with 40 CFR Part 136

**Industrial Monitoring Data Summary** 

Report Date:

January 26, 2000

Analysis Date:

January 20, 2000

Monitoring Location:

Tricon Industries

2325 Wisconsin, Downers Grove, IL Plating/Finshing Department-Pretreated Discharge

Plating/Finshing Department-Pretreated Discharge						
Sample Number:	15051	15052	15053	15054		
Sample Date:	1/10/00	1/11/00	1/12/00	1/13/00		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L						
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.02	< 0.02	< 0.02		
Chromium (T) mg/L	<0.05	< 0.05	< 0.05	< 0.05		
Chromium (+6) mg/L						
Copper (T) mg/L	1.35	0.68	0.32	0.2		
Iron (T) mg/L						
Lead (T) mg/L	0.3	<0.10	<0.10	<0.10		
Manganese (T) mg/L						
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	0.05	<0.05	<0.05	<0.05		
Selenium (T) mg/L						
Silver (T) mg/L	0.27	0.11	0.09	0.05		
Thallium (T) mg/L						
Zinc (T) mg/L	0.01	0.02	<0.01	<0.01		

Sample Number:

15050

Sample Date/Time:

1/10/00 10:35

**Total Cyanide** 

<0.01

**Industrial Monitoring Data Summary** 

	muustnai woni	toring Data Sum	nary			
Report Date:	October 21, 199	q				
Analysis Date:	June 10 and October 7 & 8, 1999					
Monitoring Location:	00.70 10 0.70 00	Tricon Industri				
Momenty Location	232	5 Wisconsin, Do				
		•	treated Discharge			
Sample Number:	14719	14720	14753	14770		
Sample Date:	4/26/99	5/03/99	5/17/99	5/24/99		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L	00p000	o o mpoonto				
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02		
Chromium (T) mg/L	<0.05	<0.05	<0.05	<0.05		
Chromium (+6) mg/L		•		3.33		
Copper (T) mg/L	0.6	0.34	0.33	0.31		
Iron (T) mg/L		*				
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10		
Manganese (T) mg/L						
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	0.13	0.13	0.19	0.13		
Selenium (T) mg/L						
Silver (T) mg/L	0.03	0.04	0.02	0.02		
Thallium (T) mg/L						
Zinc (T) mg/L	0.03	0.02	0.02	0.02		
Onwarda Mussah ass	4.4707	1.1000	4.000	4 4 9 4 9		
Sample Number:	14787	14803	14832	14848		
Sample Date:	6/01/99	6/14/99	6/28/99	7/08/99		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L						
Arsenic (T) mg/L Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	<0.02	<0.03	<b>~</b> 0.00	<b>~0.00</b>		
Chromium (T) mg/L	<0.02 <0.05	<0.02 <0.05	<0.02 <0.05	<0.02		
Chromium (+6) mg/L	<b>~0.05</b>	<b>\0.03</b>	<b>~0.05</b>	<0.05		
Copper (T) mg/L	0.36	0.65	0.45	0.99		
Iron (T) mg/L	0.50	0.00	0.43	0.99		
Lead (T) mg/L	<0.10	<0.10	0.10	0.10		
Manganese (T) mg/L	10.10	40.10	0.10	0.10		
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	0.07	0.07	0.07	0.07		
Selenium (T) mg/L		0.0.	0.07	0.07		
Silver (T) mg/L	0.98	0.06	0.03	0.09		
Thallium (T) mg/L		0.00	0.00	0.00		
Zinc (T) mg/L	0.03	0.02	0.01	0.01		
` , 3	3.44		5.5.	0.01		

Industrial Monitoring Data Summary

Report Date: Analysis Date:

October 21, 1999

Febraury 26 and June 10, 1999

Monitoring Location:	nitoring Location: Tricon Industries					
-	2325 Wisconsin, Downers Grove, IL					
	Plating/Finshing Department-Pretreated Discharge					
Sample Number:	14602	14606	14618	14631		
Sample Date:	2/01/99	2/15/99	2/22/99	3/1/99		
Sample Type:	Composite	Composite	Composite	Composite		
Antimony (T) mg/L	•		•			
Arsenic (T) mg/L						
Barium (T) mg/L						
Beryllium (T) mg/L						
Boron (T) mg/L						
Cadmium (T) mg/L	< 0.02	<0.02	< 0.02	<0.02		
Chromium (T) mg/L	<0.05	<0.05	<0.05	< 0.05		
Chromium (+6) mg/L						
Copper (T) mg/L	0.53	0.52	0.09	0.63		
Iron (T) mg/L						
Lead (T) mg/L	<0.10	<0.10	<0.10	<0.10		
Manganese (T) mg/L						
Mercury (T) mg/L						
Molybdenum (T) mg/L						
Nickel (T) mg/L	< 0.05	0.21	0.22	0.25		
Selenium (T) mg/L						
Silver (T) mg/L	0.18	0.04	0.02	0.08		
Thallium (T) mg/L						
Zinc (T) mg/L	0.09	0.02	0.02	0.15		
Sample Number	4.4000					
Sample Number:	14638	14654	14655	14679		
Sample Date:	3/11/99	3/25/99	4/05/99	4/13/9		
Sample Date: Sample Type:						
Sample Date: Sample Type: Antimony (T) mg/L	3/11/99	3/25/99	4/05/99	4/13/9		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L	3/11/99	3/25/99	4/05/99	4/13/9		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L	3/11/99	3/25/99	4/05/99	4/13/9		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L	3/11/99	3/25/99	4/05/99	4/13/9		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L	3/11/99 Composite	3/25/99 Composite	4/05/99 Composite	4/13/9 Composite		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L	3/11/99 Composite <0.02	3/25/99 Composite <0.02	4/05/99 Composite <0.02	4/13/9 Composite <0.02		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L	3/11/99 Composite	3/25/99 Composite	4/05/99 Composite	4/13/9 Composite		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L	3/11/99 Composite <0.02 <0.05	3/25/99 Composite <0.02 <0.05	4/05/99 Composite <0.02 <0.05	4/13/9 Composite <0.02		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L	3/11/99 Composite <0.02	3/25/99 Composite <0.02	4/05/99 Composite <0.02	4/13/9 Composite <0.02		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38	3/25/99 Composite <0.02 <0.05 0.5	4/05/99 Composite <0.02 <0.05 0.18	4/13/9 Composite <0.02 <0.05 0.09		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L	3/11/99 Composite <0.02 <0.05	3/25/99 Composite <0.02 <0.05	4/05/99 Composite <0.02 <0.05	4/13/9 Composite <0.02 <0.05		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38	3/25/99 Composite <0.02 <0.05 0.5	4/05/99 Composite <0.02 <0.05 0.18	4/13/9 Composite <0.02 <0.05 0.09		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38	3/25/99 Composite <0.02 <0.05 0.5	4/05/99 Composite <0.02 <0.05 0.18	4/13/9 Composite <0.02 <0.05 0.09		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38 <0.10	3/25/99 Composite <0.02 <0.05 0.5 <0.10	4/05/99 Composite <0.02 <0.05 0.18 <0.10	4/13/9 Composite <0.02 <0.05 0.09 <0.10		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lopper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38	3/25/99 Composite <0.02 <0.05 0.5	4/05/99 Composite <0.02 <0.05 0.18	4/13/9 Composite <0.02 <0.05 0.09		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38 <0.10	3/25/99 Composite <0.02 <0.05 0.5 <0.10	4/05/99 Composite <0.02 <0.05 0.18 <0.10	4/13/9 Composite <0.02 <0.05 0.09 <0.10		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L Silver (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38 <0.10	3/25/99 Composite <0.02 <0.05 0.5 <0.10	4/05/99 Composite <0.02 <0.05 0.18 <0.10	4/13/9 Composite <0.02 <0.05 0.09 <0.10		
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	3/11/99 Composite <0.02 <0.05 0.38 <0.10	3/25/99 Composite <0.02 <0.05 0.5 <0.10	4/05/99 Composite <0.02 <0.05 0.18 <0.10	4/13/9 Composite <0.02 <0.05 0.09 <0.10		

**Industrial Monitoring Data Summary** 

Report Date:

Dec. 2, 1999

Analysis Date:

Oct 29, Nov 18 & 19, 1999

Monitoring Location:

TRICON, INC. 2325 Wisconsin Ave.

		Pretreated Discharge	
Sample Number:	15021	15024	15029
Sample Date:	11/25/99	11/26/99	11/28/99
Sample Type:	Composite	Composite	Composite
Pollutant:			
Antimony (T) mg/L			
Arsenic (T) mg/L			
Barium (T) mg/L			
Beryllium (T) mg/L			
Boron (T) mg/L			
Cadmium (T) mg/L	<0.02	<0.02	<0.02
Chromium (T) mg/L	<0.05	<0.05	<0.05
Chromium (+6) mg/L			
Copper (T) mg/L	0.1	0.52	0.82
Iron (T) mg/L			
Lead (T) mg/L	<0.10	<0.10	<0.10
Manganese (T) mg/L			
Mercury (T) mg/L			
Molybdenum (T) mg/L			
Nickel (T) mg/L	<0.05	<0.05	<0.05
Selenium (T) mg/L			
Silver (T) mg/L	<0.05	<0.05	0.07
Thallium (T) mg/L		0.00	4.04
Zinc (T) mg/L	0.07	0.02	<.01

Sample Location:

**CN Treatment Tank** 

Sample Date: 10/25/99
Sample Time: 11:07
Sample Number: 15020

Total Cyanide mg/L

LT 0.01

Analyses performed in accordance with

40 CFR Part 136

**Industrial Monitoring Data Summary** 

14610

Report Date: Analysis Date: August 10, 1999 Feb 26, 1999

Monitoring Location:

TRICON, INC.

2325 Wisconsin, DG

Pretreated Discharge 14607 14604 Sample Number:

Sample Date: 2/15/99 2/16/99 2/17/99 Sample Type: Composite Composite Composite

Pollutant:

Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L

< 0.02 < 0.02 Cadmium (T) mg/L < 0.02 Chromium (T) mg/L <0.05 < 0.05 < 0.05 Chromium (+6) mg/L

Copper (T) mg/L 0.25 0.15 0.10 Iron (T) mg/L Lead (T) mg/L < 0.10 < 0.10 < 0.10

Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L

Nickel (T) mg/L 0.21 0.18 0.06 Selenium (T) mg/L Silver (T) mg/L <0.05 0.06 < 0.05 Thallium (T) mg/L <.01 0.02 0.02

Zinc (T) mg/L

**CN Treatment Tank** 

Sample Location: Sample Date: 2/15/99 Sample Time: 11:11 Sample Number: 14603

Total Cyanide mg/L

LT 0.01

Analyses performed in accordance with

40 CFR Part 136

**Industrial Monitoring Data Summary** 

Report Date:

08/11/99

Analysis Date:

Neverther 5, 1998

Monitoring Location:

TRICON, INC.

2325 Wisconsin, DG

Total Flow

Sample Number: Sample Date: Sample Type:

14636 3/03/99

Composite

Pollutant:

Antimony (T) mg/L

0.001

Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L

Boron (T) mg/L

< 0.02

Cadmium (T) mg/L Chromium (T) mg/L

< 0.05

Chromium (+6) mg/L

0.22

Copper (T) mg/L fron (T) mg/L

Lead (T) mg/L

< 0.10

Manganese (T) mg/L

Mercury (T) mg/L

Molybdenum (T) mg/L

0.11

Nickel (T) mg/L Selenium (T) mg/L Silver (T) mg/L

<.0022

0.07

Thallium (T) mg/L Zinc (T) mg/L

0.28

Total Cyanide mg/L

14632

3/4/99

12:50

0.11

Analyses performed in accordance with 40 CFR Part 136

Industrial Site Visit Report

Location: Tricon Industries, Inc.

Address: 2325 Wisconsin, Downers Grove, Illinois 60515

Date: February 16, 1999 Time: 1000 Hours

Facility Representative: Larry McDaniel
District Representative: Janet Buchner

This was the routine annual inspection of this facility. On reviewing the files, the only problem noted was the Cd value that their lab reported as a violation. Our split of the same sample indicated the normal LT 0.02 mg/L value for cadmium, so no violation was noted. Otherwise the monitoring and report submissions for 1998 were complete and no other excursions occurred.

Tricon makes parts for the auto, appliance and communications industries and meets the requirements of a QS 9000 facility. During 1999, Mr. McDaniel said he would be working on ISO 14000 certification. Part of this process will require the review and updating of various contingency plans. I asked him to review the plans for spill containment, and revise them to respond to the comments I gave him in 1996, which were based upon the plan I had reviewed from February 1995. He said he did revise the plan in 1998 and thought those comments were addressed, and a completed revision will be ready within the next few months.

No changes were made to operations or chemicals in use at the facility. Again this year they do not anticipate much demand for nickel plating. No changes to personnel or certified operators were made. Mr. McDaniel's comment last year that he was planning to replace some of the pretreatment equipment and check the level of sludge in the tank have not been accomplished as yet. He plans to do both in 1999.

The only wet processes are in the plating/finishing area. No changes have been made to the pretreatment system since my last visit. They did change the chemical supplier for the pretreatment materials, but continue to use the large containers from H-O-H. Gary, the plating operator, was checking the pH of the CN destruction pit at the time of my visit using a pH test paper on a holder. Plating personnel continue to log water use, pH and ORP readings, and the materials being plated each day.

I reviewed the manifests for 1998. They are now using Safety-Kleen for most of their chemical wastes. During 1998, Mr. McDaniel commented that Hydrite Chemical, which was taking the waste perchloroethylene, sent them a notice of land disposal on the perc. He told them he wanted it recycled, so they now use Safety-Kleen. Safety-Kleen also takes the waste nickel and makes the solid, non-hazardous bricks, which are land-filled. A maintenance supervisor has been trained on the proper storage and paper trail for the wastes and handles the scheduling of pick-ups on these materials. New and used materials are still stored in an area out of heavy traffic and close to, but not at, the loading docks. At the time of my visit, the drums were well labeled and area was at capacity for the space available.

I looked at the monitoring summaries from Enviro-Test for the 1998 samples. The lab recently moved to Willowbrook, which is a bit farther to drive, but Tricon will continue to use them and deliver the samples themselves. We discussed the cadmium excursion from May 1998. Because Cd was not a normal parameter for analysis, Enviro-Test did not notify Tricon of the result in time to repeat the analysis on the sample. The split our lab received was at LT 0.02 mg/L Cd, while the outside lab had 0.23 mg/L. In the future, Enviro-Test is to evaluate all the parameters on the list, notify Tricon of any excursions, and save the samples until the results have been reviewed by Tricon staff.

Summary: Tricon is in compliance with the permit and has done a good job in their reporting and monitoring for 1998. They will need to update the slug control plan, which should be done by May 31, 1999.

**Industrial Monitoring Data Summary** 

Report Date: January 27, 1998 Analysis Date: January 23, 1998

Monitoring Location:	Tricon Industries 2325 Wisconsin, Downers Grove, IL Plating/Finshing Department-Pretreated Discharge				
Sample Number:	14167	14169	14170	14171	
Sample Date:	1/12/98	1/13/98	1/14/98	1/15/98	
Sample Type:	COMPOSITE	COMPOSITE	COMPOSITE	COMPOSITE	
Parameters:					
Antimony (T) mg/L Arsenic (T) mg/L					
Barium (T) mg/L					
Beryllium (T) mg/L					
Boron (T) mg/L	- 00	. 00		. 20	
Cadmium (T) mg/L	< .02	< .02	< .02	< .02	
Chromium (T) mg/L Chromium (+6) mg/L	< .05	< .05	< .05	< .05	
Copper (T) mg/L	0.25	0.30	0.27	0.43	
Iron (T) mg/L	0.23	0.30	0.27	0.43	
Lead (T) mg/L	< .10	< .10	< .10	< .10	
Manganese (T) mg/L	3.10	10	7.10	7.10	
Mercury (T) mg/L					
Molybdenum (T) mg/L					
Nickel (T) mg/L	0.20	0.10	0.05	< .05	
Selenium (T) mg/L					
Silver (T) mg/L	< .05	< .05	< .05	< .05	
Thallium (T) mg/L					
Zinc (T) mg/L	0.025	0.025	0.043	0.032	
Total Cyanide mg/L . Januar	y 13, 1998				
Sample Number: 1	4168 Tim	e: 1125	< .01		
pH run on site on Thursday, Ja	nuary 15, 1998		7.10		

Analyses are in accordance with 40 CFR Part 136

BOARD OF TRUSTEES
Donald E. Eckmann
President
Wallace D. Van Buren
Vice-President
George Mitchel

## Downers Grove Sanitary District

2710 Curtiss Street
P.O. Box 1412
Downers Grove, IL 60515-0703
Phone: 630-969-0664
Fax: 630-969-0827

Providing a Better Environment for South Central DuPage County STAFF
Lawrence C. Cox
General Manager
Ralph E. Smith, Jr.
Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

June 16, 1998
Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin
Downers Grove, Illinois 60515

#### Dear Mr. McDaniel:

I have reviewed the information you sent me regarding the cadmium excursion reported by Enviro-Test on the composite sample dated May 4, 1998. As I informed you over the phone, the split of this sample was found to be LT 0.02 mg/L by the District lab. The high value reported by Enviro-Test would be a violation. However, the lack of any corroborating data from our split and your documentation that no changes were made to the type of materials being plated or finished, indicate that the value reported by Enviro-Test was incorrect through some laboratory error.

Some further items to bring up with Enviro-Test to prevent a reoccurrence: 1) ask them save samples until the written report is released and you accept it; 2) be sure to give them a minimum volume of 1L for each sample so they have enough sample to do a thorough.

Mr. Lenos was quite sure that the analysis was correct, basing this on the QC samples run with the sample. There are, however, several points in metals analyses where contamination may occur. The most likely place is the digestion procedure, which involves a lot of glassware. A blank is run through the same procedure as the sample, but analysts can take care to keep the blanks clean, while they might be less cautions with a sample. A hot plate setting too high could result in a sample spattering and contaminating other samples, while not effecting the blank.

Finally, you might also want to review your sampling procedure to be sure both the sample sent to Enviro-Test and to us was exactly the same, and it came in no contact with any metal surface. Clearly the situation is "no win" for you or the lab.

I feel confidant that the high value reported was in error, and as stated before, I do not consider this a permit excursion. If you have any questions, please call me.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Buchner

Laboratory Services Director





039000/18090

June 2, 1998

Ms. Janet Buchner Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL. 60515

Dear Ms. Buchner:

Please accept the enclosed correspondence as part of our corrective actions with Enviro-Test for more timely and accurate reporting of an over the limit violation. I believe the steps that have been instituted will reduce the margin for error.

As for the excursion, we do not yet have a definitive explanation, a review of the paperwork for the day of sampling showed nothing unusual in our processing. We do not normally process any materials that would yield high cadmium concentrations. Upon notification, we sampled the waste water and delivered it to Enviro-Test, it was found to contain .02 ppm cadmium, which is in the normal range. We will continue to do a quality check for cadmium along with our normal sampling for the next few months or until we can reach a reasonable explanation for this event.

'If additional actions are necessary, please advise.

Sincerely,

Jarry m. Oonie Larry McDaniel

Plant Manager

CC

Frank Mroczka

PHONE NO.: 6309634685



# Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

319 OGDEN AVENUE DOWNERS GROVE, IL 60515-3142

(630) 963-4672

FAX # (630) 963-4685

June 1, 1998

Larry McDaniel
Plant Manager
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515-4076

Dear Mr. McDaniel:

Enviro-Test/Perry Laboratories has modified the worksheet for Tricon to include your limits for each parameter. As results are generated and transcribed onto the worksheet, the analysts will determine if your limits have been exceeded. If your limits have been exceeded, the following actions shall be taken:

- The Laboratory Director shall be notified immediately.
- Two more sample aliquots shall be prepared and analyzed for the parameter that exceeded the limit.
- If all three samples exceed the limit and the QA/QC is satisfied, then you or your designates shall be notified according to your letter dated February 4, 1997.
- Final reports shall be faxed to your attention and the original mailed.

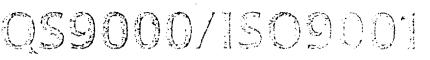
If you have any further questions or need additional actions from Enviro-Test to comply to Tricon's requirements, please contact me at your convenience.

Sincerely,

George P. Lenos Laboratory Director



#### ) ୯୯୭ ବ୍ରତ୍ତ୍ର **ପ୍ରତ୍ତ୍ର ପ୍ରତ୍ତ୍ର ବ୍ରତ୍ତ୍ର ବ୍ରତ୍ତ୍ର**





May 27, 1998

G.P. Lenos Laboratory Director Enviro-Test/Perry Laboratories, Inc. 319 Ogden Avenue Downers Grove, Il. 60515-3142

Dear Mr. Lenos:

On Tuesday May 26, we received test results (Lab. No. S0236) showing a cadmium excursion, .23, of our permitted limit of .11.

Your completion date for these tests were 5/15/98.

According to our agreement Tricon must be notified immediately of any over the limit test results, reference letter dated February 4, 1997. Further I would request that any over the limit sample be immediately retested to assure accuracy.

We rely solely on your Lab for testing, to maintain compliance with Downers Grove Sanitation, therefore we must be able to communicate issues before they become problems.

Please advise of your actions to correct and assure compliance to Tricon's requirements. Thank you for your cooperation, please feel free to call me if you have any questions.

Larry McDaniel

Plant Manager

enclosure:

cc: Jan Buchner, D.G. Sanitation Frank Mroczka, Dept. Supervisor

#### **DOWNERS GROVE SANITARY DISTRICT**

**Industrial Monitoring Data Summary** 

Monitoring Location:	Tricon Industries 2325 Wisconsin, Downers Grove, IL			
Sample Number: Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L	Plating/Finshing 13963 7/07/97 COMPOSITE	Department-Pretr 13992 7/21/97 COMPOSITE	reated Discharge 14000 7/24/97 COMPOSITE	14017 8/04/97 COMPOSIT
Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02
Chromium (T) mg/L Chromium (+6) mg/L	<0.05	<0.05	<0.05	<0.05
Copper (T) mg/L Iron (T) mg/L	0.5	1.37	0.36 0.76	
Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L	<0.10	<0.10	<0.10	<0.10
Molybdenum (T) mg/L Nickel (T) mg/L Selenium (T) mg/L	0.2	0.25	0.11	<0.05
Silver (T) mg/L Thallium (T) mg/L	<0.02	0.15	<0.02	<0.02
Zinc (T) mg/L	0.03	0.03	0.02	0.02
Cample Number	4.004	4.4000	4.4070	4 400 4
Sample Number: Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L	14034 8/11/97 COMPOSITE	14062 8/25/97 COMPOSITE	14079 9/02/97 COMPOSITE	14084 9/08/97 COMPOSIT
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L	8/11/97	8/25/97	9/02/97	9/08/97
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L	8/11/97 COMPOSITE <0.02	8/25/97 COMPOSITE <0.02	9/02/97 COMPOSITE <0.02	9/08/97 COMPOSIT <0.02
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T),mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L	8/11/97 COMPOSITE <0.02 <0.05	8/25/97 COMPOSITE <0.02 <0.05	9/02/97 COMPOSITE <0.02 <0.05	9/08/97 COMPOSIT <0.02 <0.05
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Chromium (+6) mg/L Lopper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L Nickel (T) mg/L	8/11/97 COMPOSITE <0.02 <0.05 1.42	8/25/97 COMPOSITE <0.02 <0.05 1.92	9/02/97 COMPOSITE <0.02 <0.05 1.84	9/08/97 COMPOSIT <0.02 <0.05 0.69
Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T),mg/L Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L Copper (T) mg/L Iron (T) mg/L Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L	8/11/97 COMPOSITE <0.02 <0.05 1.42 <0.10	8/25/97 COMPOSITE <0.02 <0.05 1.92 <0.10	9/02/97 COMPOSITE <0.02 <0.05 1.84 <0.10	9/08/97 COMPOSIT <0.02 <0.05 0.69 <0.10

#### **DOWNERS GROVE SANITARY DISTRICT**

Industrial Monitoring Data Summary

Monitoring Location:	Tricon Industries 2325 Wisconsin, Downers Grove, IL Plating/Finshing Department-Pretreated Discharge			
Sample Number: Sample Date: Sample Type: Antimony (T) mg/L Arsenic (T) mg/L	Plating/Finshing 13802 4/14/97 COMPOSITE	Department-Preti 13831 4/23/97 COMPOSITE	reated Discharge 13852 5/01/97 COMPOSITE	13870 5/12/97 COMPOSITE
Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L Cadmium (T) mg/L	<0.02	<0.02	<0.02	<0.02
Chromium (T) mg/L Chromium (+6) mg/L	<0.05	<0.05	<0.05	<0.05
Copper (T) mg/L Iron (T) mg/L	0.63	0.32	0.22	1.2
Lead (T) mg/L Manganese (T) mg/L	<0.10	<0.10	<0.10	<0.10
Mercury (T) mg/L Molybdenum (T) mg/L				
Nickel (T) mg/L Selenium (T) mg/L	0.12	0.08	<0.05	0.08
Silver (T) mg/L Thallium (T) mg/L	0.13	0.1	0.03	0.02
Zinc (T) mg/L	0.09	0.02	0.02	0.02
Sample Number: Sample Date: Sample Type:	13898 5/21/97 COMPOSITE	13906 6/02/97 COMPOSITE	13931 6/10/97 COMPOSITE	13952 6/25/97 COMPOSITE
Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L	33		OOM OOME	OOMI OOME
Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L	<0.02 <0.05	<0.02 <0.05	<0.02 <0.05	<0.02 <0.05
Copper (T) mg/L Iron (T) mg/L	0.36	1.4	0.44	0.39
Lead (T) mg/L Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L	<0.10	<0.10	<0.10	<0.10
Nickel (T) mg/L Selenium (T) mg/L	<0.05	0.41	<0.05	0.12
Silver (T) mg/L Thallium (T) mg/L	0.02	0.06	<0.02	0.07
Zinc (T) mg/L	<0.01	0.12	0.02	0.02



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

November 22, 1996

Lawrence C. Cox General Manager downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, II. 60515-0703

Re: Notice of violation dated November 12, 1996

Dear Mr. Cox

Investigation of the events of 10/28 and 10/29 revealed that we had a very heavy vibratory firshing schedule on those days. The parts being processed were sliver plated.

Currently the rinse water from the vibratory equipment passes through filter paper into a catch basin, upon investigation, it revealed that the drain pipe was under the filter paper rather than on top.

The short term solution is to limit the daily volume of parts through the vibratory finishing equipment and configure the pipes in such a manner as to not allow the filter paper to be out of position.

The long term solution is to add a filter pump external to the pit to circulate the effluent through a filter prior to discharge. We are currently seeking quotations for such a system and investigating feasability. We are also investigating different filter paper that would enhance our ability to capture more of the heavy metals. We will keep you advised as we progress.

If I may be of any further assistance please call.

Sincerely:

Larry McDaniel

Plant Superintendent

Larry mc Ocares

CC

John Cieplak

Frank Mroczka

"SOÄRD OF TRUSTEES
Donald E. Eckmann
President
Wallace D. Van Buren
Vice-President
George Mitchel

# **Downers Grove Sanitary District**

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827 New area code as of 8/3/98 (690) STAFF
Lawrence C. Cox
General Manager
Ralph E. Smith, Jr.
Operations Director
Sheila K. Henschel
Administrative Services
Director

LEGAL COUNSEL

Michael C. Wiedel

Providing a Better Environment for South Central DuPage County

November 12, 1996
Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

During District monitoring conducted the last week of October, 1996, the following permit excursions were found on composite samples:

Date	<u>Parameter</u>	Daily Maximum	Sample Value
10/28/96	Silver (T)	0.43  mg/L	0.64 mg/L
10/29/96	Silver (T)	0.43 mg/L	0.54  mg/L

As required by Section IV(B) of the discharge permit issued to Tricon Industries, a written response is required within 10 days from the date of this letter, which describes the causes for the violation, and measures that will be taken to prevent future permit excursions of this type.

The Monthly Average limit was not exceeded in October when all the silver results are averaged. This includes the three splits on your self monitoring and the four samples the District collected, including the two excursion samples.

If you have any questions, please call Janet Buchner.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

#### DOWNERS GROVE SANITARY DISTRICT

IN THE MATTER OF

\*

TRICON INDUSTRIES, INC.

2325 Wisconsin Downers Grove, Illinois 60515 \* ADMINISTRATIVE

\*

COMPLIANCE ORDER

\*

#### LEGAL AUTHORITY

The following findings were made and order issued pursuant to the authority vested in the District General Manager, under Article IIA of the Downers Grove Sanitary District's Ordinance Regulating the Use of Public Sewers and Sewer Systems

#### FINDINGS

- 1. Tricon Industries, Inc., discharges nondomestic wastewater, which is pretreated, to the sewer system of the Downers Grove Sanitary District (hereafter referred to as the District)
- 2. Tricon Industries, Inc., meets the definition of a Significant Industrial User (SIU) as described in Section 2.2 of Article IIA of the Ordinance.
- 3. Tricon Industries, Inc., was issued a permit on October 15, 1995, which contains terms and conditions to self monitor the wastewater being discharged, and report the results of self monitoring activities to the District.
- 4. The specific permit violations are as follows:
  - a. A cyanide sample, collected for self monitoring, was reported by the lab to be 3.6 mg/L on October 7, 1996, a violation of the daily maximum limit. The average of this and 4 additional samples taken during the month of October, resulted in the average of these results to exceed the monthly average, .72 vs. .65.
  - b. Section IIID of the permit issued to Tricon requires that notice be given the District when a permit excursion is found on self monitoring within 24 hours of Tricons' notice of the self monitoring value. Notice was not given to the District within 24 hours for the violation cited in (a).
  - c. The self monitoring report for the period of October 1 through December 31, 1996 was due January 20, 1997. It was submitted late, January 28, 1997.
  - d. The report was incomplete as submitted, missing a follow up cyanide grab sample taken after the lab notified Tricon of the excursion.
- 5. The violation cited in 4(b) is defined as significant noncompliance since it relates to the inaccurate reporting of the compliance status of the industrial user. A finding of SNC requires a formal enforcement action by the District and publication of the finding and resolution of the enforcement action.

#### ORDER

THEREFORE, BASED ON THE ABOVE FINDINGS, TRICON INDUSTRIES, INC. IS ORDERED TO:

- 1. Comply with the permit terms and conditions fully in reporting any event of noncompliance to the District within 24 hours of your being notified by a lab analyzing samples or Tricon personnel doing self monitoring tests, such as pH.
- 2. Notice shall be given by telephone either directly to District personnel or to an answering service after normal hours.
- 3. This order does not constitute a waiver of the wastewater discharge permit, which remains in full force and effect. The District reserves the right to seek any and all remedies available to it under the Ordinance for any violation cited in this order.
- 4. Failure to comply with the requirements of the order shall constitute a further violation of the sewer use ordinance and may subject Tricon Industries, Inc. to civil or criminal penalties or other such enforcement response as may be appropriate.
- 5. This order, entered this 11th day of February, 1997, shall be effective upon receipt by Tricon Industries, Inc.

Lawrence C. Cox General Manager

Downers Grove Sanitary District

2710 Curtiss Street

Downers Grove, Illinois 60515

#### DOWNERS GROVE SANITARY DISTRICT

#### Agenda Compliance Meeting February 11, 1997

Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

- 1. Review of violations:
  - a. Cyanide excursion found on self monitoring, October 7, 1996.
  - b. Lack of notice to District within 24 hours of Tricon receiving notice of cyanide result.
  - Silver excursions on District monitoring.
     October 28 and 29, 1996, at daily maximum on November 20, 1996.
  - d. Late and incomplete self monitoring report for fourth quarter 1996.
- 2. Tricon Industries, response to violations and preventive actions taken.
- 3. District comments on Tricons' response.

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

February 3, 1997 Larry McDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Dear Mr. McDaniel:

A review of the violations that have occurred at the Tricon facility at 2325 Wisconsin since October 1 indicate a series of problems with compliance. The District is concerned that Tricon is not able to assure consistent compliance in the future and requires that you attend a compliance meeting to review the violations and actions taken and to be taken to maintain compliance with all conditions of the permit.

The meeting will be held at the District Administrative Center, 2710 Curtiss Street, Downers Grove on Tuesday, February 11, 1997 at 09:30 AM.

Yourself and any other Tricon staff who are involved in the compliance monitoring and reporting should attend.

If you have any questions, please call Janet Buchner.

Sincerely,
DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

fourence C. Cox

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827 STAFF

Lawrence C. Cox
General Manager

Ralph E. Smith, Jr,
Operations Director

Shella K. Henschel
Administrative Services

LEGAL COUNSEL

Michael C. Wledel

Providing a Better Environment for South Central DuPage County

January 30, 1997
Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

My January 28 inspection of your facility indicated that you and your staff have made progress in addressing the causes and prevention of permit limit excursions. The three levels of filtration being provided to the vibratory finshing units seems a most simple and effective means to prevent the discharge of pollutants.

As we discussed at our meeting, the work that you did should be summarized and submitted to the General Manager for review. This should, if the response is accepted, conclude your response to the cyanide and silver violations.

One of my routine responsibilties is to review the compliance status of users. This includes their compliance with permit limits, sampling and analytical methods and reporting. On review of the Tricon file, the following violations were noted:

- 1. The cyanide violation noted for October 7.
- 2. Failure to report the cyanide excursion within 24 hours.
- 3. Silver excursion noted on District monitoring October 28 & 29.
- 4. Compliance sample for silver at the max daily limit November 20.
- 5. Late submission of the self monitoring report for the last quarter 1996.

The number and nature of these violations are of concern to us. In order for us to clarify our position on compliance and allow you a chance to respond, we will schedule a compliance meeting in February to go over the sum total of these violations. The compliance meeting is a formal enforcement action, which we feel is justified, due to the situation.

I will be contacting you during the week of February 3rd to schedule the meeting.

Sincerely,
DOWNERS GROVE SANITARY DISTRICT

Janet M. Buchner

Laboratory Services Director

Jan Hh / Suchua

Member Illinois Association of Wastewater Agencies



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

February 4, 1997

Lawrence C. Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Ill. 60515-0703

Dear Mr. Cox:

To bring you up to date on our progress in addressing the violations and excursions that occurred in the last few months, the following changes have been implemented.

#### Cyanide violation, October 7:

- We are now using an initial rinse of the barrel over the plating bath to reduce the dragout.
- The plating barrels now have larger openings to decrease the retention of plating fluids and reduce dragout.
- Our process now calls for increased drip time over the plating bath to reduce dragout.
- We have added a plate out and recovery unit to the copper plating bath (these units are now in place on all electrolytic plating baths).
- The metered flow of Sodium Hypochlorite, to the cyanide destruct pit, has been increased.

#### Failure to report excursion within 24 hours:

• Letter has been sent to our testing lab listing alternate individuals to contact in case of an excursion, all those listed have been advised to call D. G. San. immediately upon being notified of a violation (enclosure).

#### Silver excursion October 28 and 29, and maximum daily limit November 20:

Based upon experimental processes and testing, in conjunction with our chemical supplier, we have fabricated and installed an overflow drip pan, from the vibratory finishing machines, over the small settling/retention basin. The overflow pan retains some particulate while the rest spill over onto filter paper, the partitioned settling basin allows for sludge to be captured and the overflow from this then is filtered through a 10 inch 10 micron filter and a Scotch Brite disk (disk to be replaced with steel wool).

Our next step then is the addition of a metal polisher to react with the Ag and precipitate it as an insoluble metal sulfide compound. This chemical (Pur Flo 911) will be fed to the small settling/retention basin.

#### Late submission of quarterly report:

Back up personnel have been designated (enclosure).

The above actions have been instituted and we are continuing with quality checks of our system through our lab and our suppliers.

If you have any questions, please call.

m ( Vance)

Larry McDaniel

Plant Superintendent

CC:

Frank Mroczka Mal Wadland John Cieplak February 4, 1997

To: Mal Wadland H.R. Manager Frank Mroczka Finishing Supervisor

cc: John Cieplak

From: Larry McDaniel

Re: Downers Grove Sanitary Quarterly Report / reporting of excursion

I need your assistance to insure that we file our quarterly self monitoring report in a timely fashion. The report is due by the twentieth day of the month following the calendar quarter (i.e., April, July, October, January). If I am not available to compile the report, the responsibility will fall to the both of you.

Our ability to report within 24 hours of an event, (excursion or permit violation) must be such that if I am not available, that one of you will make the call.

Collectively we must see that these reports are filed on time and any violation or excursion is reported immediately (within 24 hours of occurrence or notification of excursion) to Downers Grove Sanitary District.

Thank you for your cooperation.



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

G.P. Lenos

February 4, 1997

**Laboratory Directory** 

Enviro-Test/Perry Laboratories, Inc.

319 Ogden Ave.

Downers Grove, Il. 60515-3142

Dear Mr. Lenos:

Effective immediately, the call list of Tricon personnel, in the case of an excursion will be, in order of priority:

Larry McDaniel

Frank Mroczka

Mal Wadland

It is imperative, if you find an over the limit test result, that someone on this list be reached as quickly as possible. As you are probably aware Tricon must notify Downers Grove Sanitation within 24 hours of a permit violation.

Listed below are my maximum daily concentrations allowed by permit.

pollutant		mg/L
Cadmium	• 1	0.11
Chromium		·2.77
Copper		3.38
Lead		0.69
Nickel		3.98
Silver		0.43
Zinc		2.61
Cyanide		1.2

Thank you for your cooperation, if you have any questions please call.

Larry McDaniel

Plant Superintendent

Long me One

CC:

Frank Mroczka Mal Wadland John Cieplak



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

November 18, 1996

Lawrence C. Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street PO Box 1412 Downers Grove, Il. 60515-0703

Dear Mr. Cox:

As indicated in my letter dated October 24, 1996, we have performed some Q.C. testing to determine the possible source of high cyanide readings in the waste water. The results of those tests are:

10/28 Copper plating rinse 8.0 ppm.

Normal process, medium mesh plating barrel, overflow rinse was not turned  $o^{cc}$ , 30 seconds drip time over plating tank.

10/28 Silver plating rinse tank .92 ppm.

Normal process, medium mesh plating barrel, overflow rinse was not turned off, drag out and plate out tank used.

11/11 Copper plating rinse 557.0 ppm.

Very fine mesh barrel, overflow rinse turned off, 30 seconds drip time over plating tank.

11/11 Copper plating rinse 156.0 ppm.

Enlarged holes in fine mesh barrel, 90 seconds drip time and rinse over plating tank, overflow rinse turned off.

(In normal operation, the overflow rinse is never turned off.)

There are several sources that could cause a shock load to the waste water treatment system, as follows:

- 1) Cyanide based cleaning solution tank.
- 2) Silver cyanide plating tank.
- 3) Copper cyanide plating tank.
- 4) Silver plating rinse tank.
- 5) Copper plating rinse tank.

Since there have been no spills, the only viable conclusion is the shock load would have originated from the copper overflow rinse tank. We can rule out the silver plating rinse tank because of the low readings of cyanide content, this would be attributed to the presence of a "metal plate out" (recovery and drag out) tank between the plating bath and the rinse tank and the use of larger mesh plating barrels.

A check of the meters, probes, and hypochlorite delivery systems, found them to be in good working order with no malfunctions indicated.

The copper plating overflow rinse tank is in effect acting as a dragout tank therefore accounting for the high cyanide test results.

We have instituted an initial rinse over the copper plating tank, the use of plating barrels with larger openings, and increased the drip time over the plating bath which will reduce the cyanide in the rinse water. We have also increased the metered flow of hypochlorite to the treatment pit.

For the long term, the above changes, plus the addition of a drag out tank with a plate out and recovery unit should serve to reduce the cyanide in the effluent. We are currently getting quotations and making plans to purchase and install a recovery unit for the copper cyanide solution. The anticipated completion date is January 1, 1997.

We will continue to closely monitor the effluent through periodic Q.C. checks and will keep you informed as we progress.

I trust we have explained to your satisfaction the cause of the excursion, and instituted sufficient corrective actions to prevent a reoccurrence. Please call if you have any questions or I can offer any further assistance.

Sincerely,

Larry McDaniel

Plant Superintendent

Larry mc Oonia

CC

John Cieplak

Frank Mroczka



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

October 24, 1996

Lawrence C. Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street PO Box 1412 Downers Grove, II.60515-0703

Re: Response to Notice of Violation

Dear Mr. Cox

The failure to notify your department of the alleged violation was a conscious decision on my part to avoid reporting an erroneous result of the test sample. In my subsequent conversations with Ms. Buchner I now fully understand that we at Tricon can not make that decision. Henceforth, upon notification of a violation by our test lab, we will immediately notify your department and defer to your judgment on the subsequent actions.

As to the excursion itself, we are performing different QC checks, to determine the possibility of duplicating the test results. We have thus far found no unusual occurrences, on the day of sampling, to account for the high ppm test results.

It is our position that the "excursion" did not actually occur, that the mixed test results were indicative of a problem in testing, however, we will continue to pursue possible areas that could cause an extremely high cyanide reading.

We will keep you advised as we progress. please contact me if there are any questions.

Sincerely,

Larry McDaniel

Plant Superintendent

Jany mc Donie

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827 STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr.
Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Providing a Better Environment for South Central

October 18, 1996
Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

As you reported to Janet Buchner, self monitoring of your plating pretreatment system has identified a cyanide excursion on a grab sample collected October 7, 1996. The permit limit is 1.2 mg/L as a daily maximum and .65 mg/L as a monthly average, the grab sample of October 7 had an average cyanide level of 2.08 mg/L. When this is averaged along with the other results for October, assuming there are no more than 3 samples and the other 2 are LT 0.01 mg/L, the monthly average limit is also exceeded.

In addition, Section III(D) of the permit requires that the District be notified by Tricon of any violation within 24 hours of your notification by the lab, failure to do is a significant violation. Federal pretreatment regulations require a minimum response to such significant violations as publication and issuance of an administrative order to comply.

As required in Section IV(B) of the permit, you shall respond in writing as to the cause of the violation and corrective actions to be taken to prevent a reoccurrence. This must also describe your actions in reporting future violations in a timely manner. The report is due within 10 days of your receiving this letter.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County

October 18, 1996

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

STAFF
Lawrence C. Cox
General Manager
Ralph E. Smith, Jr.
Operations Director
Sheila K. Henschel
Administrative Services
Director

LEGAL COUNSEL

Michael C. Wiedel

Dear Mr. McDaniel:

To recap what we discussed in our phone conversations of October 15 and 17, 1996: a cyanide grab sample collected October 7 was found by EnviroTest to have a cyanide concentration of 3.6 mg/L, exceeding the daily maximum permit limit of 1.2 mg/L. You reported that the lab was asked to reanalyze this sample, and, in addition, you submitted a second grab sample, collected after the high sample was reported to you.

The results on these samples indicated the following: the reanalysis results for the sample originally in violation were lower, 1.7 and .94 mg/L. The lab attributed the higher result in the first analysis as a "positive interference". The second grab sample had cyanide results well under the limit at LT 0.01 mg/L.

As you described the operations taking place the day of the violation, no plating was being done, only rinse water was running through the cyanide destruction pit at the time the sample was taken. While a high cyanide value is inconsistent with these conditions, you should review the records and work of the day to evaluate the following possibilities:

- Work being done on plating equipment that could result in a discharge of cyanide containing material, including cleaning, equipment changes, new plastic tubing, tubs, etc.;
- Problems with treatment equipment;
- Errors in sampling, contamination of sample with plastic residue;
- 4. Or any other posibilities.

The reason I mention plastic materials is that some plastics release CN when heated and the total cyanide procedure starts with a distillation step. It is possible that a sample containing plastic, distilled to dryness may allow for CN release. I know you have a lot of plastic in use within your plant so you might want to investigate this by placing a small amount of plastic in a sample bottle, filling it with tap water and preserving it as usual, submit it to the lab and see what they get. Just

. . . . . .

be sure to identify the sample as a QC check. This is just a possibility. You have been sampling total cyanide for years now and have not noticed a problem in past samples.

The other problem we have with this violation is that it was not reported to us within 24 hours as specified in the permit. The enforcement requirements are clear that this is significant noncompliance since it is a failure to report noncompliance. Our response will include the issuance of an administrative order, which shall require your compliance in notifying the District of violations in the future. It is important to remember that informing us of the violation should be the first thing you would want to do. We can help in determining the level of the problem. If you don't do that you are assuming full responsibility, what ever the outcome. From my experience labs usually don't make mistakes, especially not such positive ones. The problems come from the samples.

As always, please feel free to call me. You will want to contact the lab and ask them about possible sources for "positive interferences".

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Buchner

Laboratory Services Director

BOARD OF TRUSTEES
Donald E. Eckmann
President
Wallace D. Van Buren
Vice-President
George Mitchel

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 Lawrence C. Cox General Manager

STAFF

Ralph E. Smith, Jr.

Sheila K. Henschel
Administrative Services
Director

**LEGAL COUNSEL** 

Michael C. Wiedel

Providing a Better Environment for South Central DuPage County

November 1, 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

Your October 24, 1996 letter, describing the actions taken in response to the Notice of Violation issued on October 18, 1996 for a cyanide excursion, has been reviewed. Your initial actions to resample and have the high sample retested were the correct ones to take. At the same time, you made a serious error in not notifying the District of the problem.

You have based your response on the assumption that the excursion was a lab error, without an explanation as to how this could occur. As a result, your response is incomplete, since you do not evaluate what could have happened in your operations to cause a cyanide excursion.

In discussing the cyanide analysis procedure with another wastewater lab that does these complex procedures in house, they commented that the rapid decrease in cyanide found on subsequent analysis is indicative of what is called weak and acid dissolvable cyanide, which is uncomplexed NaCN or KCN. If we assume this was the species of cyanide present in the sample, it might help to identify a source.

The lab also stated that there are very few positive interferences in the cyanide procedure and none that could cause such a high reading as found initially in the sample. Negative interferences, those that cause lower results, are more common. Thus a high result may be more likely to be accurate than a low one.

You need to consider the possibility of an excursion due to treatment system failure. Pretreatment equipment does have limitations. In a continuous flow situation, treated water is being discharged from the pit as untreated flow is added. The demand for chlorine will change with the CN load and flow. Due to some additional CN load, the capacity of the hypochlorite delivery system may not have kept up with an increase. Even if this was a short period, it could effect a grab sample. The cause for the higher CN load could be a CN spill in the trench drain that entered the pit just as the sample was being drawn. You need to evaluate the worst case scenario, taking into consideration what was done the day of the sample.

The purpose of this evaluation is for a thorough examination of what could have happened. The permit requires that noncompliance be evaluated and corrected. To assume that an excursion is a problem created by a lab is a way to deny there is a problem. Passing the blame onto another party is not the intent of the discharge permit. Cyanide is regulated because it is toxic and the District's system and biological treatment plant are the recipients of your systems unmitigated problem.

At this point I believe neither party is in a position to assume there was no excursion.

From your letter it is evident that you are working to further evaluate this situation. Please provide further information as you put your findings together. The submitted response will not be accepted as complete until you look at all the possible causes outside of the lab. Your written report is due within 20 days of your receipt of this letter.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

jamence C. Cox

Lawrence C. Cox General Manager

LCC/pla



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

October 17, 1996

Ms. Janet Buchner
Downers Grove Sanitary District
2710 Curtiss Street
Downers Grove II. 60515

Dear Ms. Buchner

On October 7, 1996 at 12:00 noon we pulled a sample from the waste water cyanide destruction pit, this sample was conveyed to Enviro-Test / Perry Laboratories for cyanide testing on the same date. Silver and copper plating was in process at the time of sampling.

During the late afternoon of 10/7 I received a call from Mr. Lenos of Enviro-Test, advising that the results were determined to be 3.6 ppm. I requested that he retest the existing sample. Plating operations had already ceased for the day.

On October 8, 8:20 A.M. we again pulled a sample and rushed it to the laboratory for testing. The results of this sample were determined to be less than .01 ppm. Silver and copper plating operations were in process at the time of sampling.

The initial sample was retested on 10/8, 10:00 A.M. and 2:00 P.M., the results were 1.7 ppm and .94 ppm. Mr. Lenos stated that there was a problem in the test procedure but could not explain why they were getting mixed results.

Since the final test was .94 ppm and the latest test was less than .01 ppm, with a maximum limit of 1.2 ppm, and Enviro-Test had problems, which cast a doubt on the accuracy of the initial sample, we feel positive that technically an excursion did not occur.

If further information or documentation is required, please contact me.

Sincerely,

Larry McDaniel

Plant Superintendent

my mc Donie

CC

John Cieplak Frank Mroczka

encl.



### Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

319 OGDEN AVENUE DOWNERS GROVE, IL 60515-3142 (708) 963-4672

FAX # (708) 963-4685

Tricon Industries Mr. Larry McDaniel 2325 Wisconsin Ave. Downers Grove, IL 60515 10-16-96

Your Cyanide Pit sample (P7063) was collected on 10-07-96 and analyzed. The result was determined to be 3.6 ppm. Upon notification that day you submitted another sample (P7076) on 10-08-96. The result of that sample was determined to be Less Than .01 ppm.

Sample P7063 submitted on 10-07-96 was analyzed again on 10-08-96 at 10:00 AM and 2:00 PM. The results of the analyses were 1.7 ppm and .94 ppm respectively.

The high result might have been due to a positive interference.

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County

February 6, 1995

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Shella K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, Illinois 60515

Plant Superintendent

Dear Mr. McDaniel:

Larry McDaniel

On analyzing the split composite sample which was collected by Tricon personnel on Monday, January 16, 1995, the silver concentration was found to exceed the permit limit. The sample concentration was measured at 0.77 mg/L, compared to the limit of 0.43 mg/L.

As we discussed over the phone Friday, the sample contained some visible solids, not a large amount, and this day happened to correspond to a sampling day for us and our sample's silver level was well within the limit at 0.1 mg/L. The result from Envirotest on your half of the split was LT .05 mg/L, indicating the violation may be due to a sampling problem rather than to any problem in the pretreatment system.

I am not really concerned that there was a violation, the problem is related more to the sampling methods used, especially in the splitting of the composite. Silver is a difficult metal to deal with. It has the nasty habit of sticking to surfaces. Sampling equipment should be clean, not just by acid washing, but scrubbed with detergent, thoroughly rinsed with tap water and then acid washed.

Please respond in writing with your conclusions on the situation and describe any measures instituted to prevent this from reoccurring.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Buchner

Laboratory Services Director



ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

February 16, 1995

Janet M. Buchner Laboratory Services Director Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, Il. 60515-0703

Dear Ms. Buchner

Per our discussion during the plant inspection, I am enclosing the procedures for calibration of the pH meters / controllers. Also enclosed is a letter from Enviro-Test Labs specifying their test methods. I trust this will meet your requirements.

I will forward to you the updated contingency plans when they are rewritten.

If there is anything else you require, please call.

Sincerely,

Larry McDaniel

Plant Superintendent



## Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

319 OGDEN AVENUE DOWNERS GROVE, IL 60515-3142 (708) 963-4672 FAX # (708) 963-4685

Tricon Industries 2325 Wisconsin Ave. Downers Grove, IL 60515 02-15-95

Attn: Mr. Larry McDaniel

The method used to analyze Copper, Silver, Nickel and Zinc in your sample is 3111 B from Standard Methods 17th Edition.

The method used to analyze Cyanide in your sample is 4500-CN E from Standard Methods 17th Edition.

If you have any further questions, please contact us at your convenience.

Respectfully submitted,

Gebrge P. Lenos

Laboratory Director



**ELECTROMECHANICAL DIVISION** 

May 2, 1994

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

Lawrence C. Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Il. 60515-0703

Re: Notice of Violation

Dear Mr. Cox,

In response to notice of violation dated February 1994, we have instituted the following control measures.

- 1. Nickel, Silver and Copper: Maximum monthly averages have been noted and plotted on statistical control charts, if any point falls on or above the MMA line, actions will be taken to determine root cause of the problem and re-sampling will take place.
- Zinc and Cyanide: Maximum monthly averages have been noted on control charts. The upper control limits are such that we have very comfortable margins before reaching maximum allowable limits. As above, should any point fall on or above the chart's upper control limit line, (UCL), actions will be taken to determine the root cause of the change and re-sampling will take place.

Control limits on charts are established statistically from historical data. Readings are plotted immediately upon receipt of analysis. Ordinarily, there is an 8-10 day window between sample submittal and analysis completion from the independent lab. We are working to reduce this time frame to gain a more real time picture and also to allow our corrective actions to be implemented sooner.

The February violation occurred due to an unusually high plating volume and (3) successive days of Nickel plating. We typically will never plate more than (2) days in a row. Our production scheduling department has been advised of the resulting problem from the increased levels. Future schedules will be adjusted accordingly.

With the use of these control charts in this manner, the finishing department personnel will be able to resample and correct any readings that may be nearing the maximum monthly average. All department employees have been advised of these changes and controls and we feel there will be no further incidents.

I trust we have explained to your satisfaction the cause and the corrective actions instituted to prevent a recurrance. Please call if you have any questions.

Sincerely,

Larry Mc Daniel

Plant Superintendent

enclosures:

cc:

John Ceiplak Sue Winkler Frank Mroczka

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County

May 20, 1994

STAFF

Lawrence C. Cox
General Manager

Ralph E. Smith, Jr.
Operations Director

Shella K. Henschel

LEGAL COUNSEL

Director

Michael C. Wiedel

Administrative Services

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

Your response to the nickel monthly average excursion has been reviewed. The actions you describe should aid in determining compliance with the permit's monthly average limits.

One issue you did not discuss is notification of the District when the permit limits are exceeded, which is an important point since this is where the significant noncompliance (SNC) issue comes up. To prevent future situations of SNC due to a failure to accurately report noncompliance, any excursions, whether daily maximum or monthly average limits, should be reported to the District within 24 hours of your notice from the lab.

The District will publish this incident of SNC in March or April of 1995 with any other SNC violations that occur during 1994. You will be notified of the publication at that time.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827 STAFF
Lawrence C. Cox
General Manager
Ralph E. Smith, Jr.
Operations Director
Sheila K. Henschel
Administrative Services
Director

LEGAL COUNSEL

Michael C. Wiedel

Providing a Better Environment for South Central

April 19, 1994

John Cieplak Manufacturing Manager Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Dear Mr. Cieplak:

The self monitoring report submitted for the first calendar quarter of 1994 indicated that during the month of February, the average nickel concentration in the plating/finishing department discharge exceeded the monthly average limit, in violation of the industrial wastewater discharge permit.

Monthly Average Limit Nickel (mg/L) Average of February Results (mg/L)

2.38

2.87

The permit was further violated when no notice was given of this violation. Section III(D) of the permit requires that notice be given the District within 24 hours of your receiving results indicating a violation. Not reporting represents a failure to accurately report noncompliance and places Tricon in significant noncompliance with the pretreatment requirements.

The District will public notice all users having been in significant noncompliance during the year. This notice will appear in April 1995.

At this time, the permit requires a written response to these violations, describing the cause and corrective actions to be taken. The response shall be submitted within ten (10) working days from the date of this letter.

If you have any questions, please contact Jan Lacina, 969-0664.

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

· 所有的情况。 (1985) · 于人物政治、教育技术经济、社会

## Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County

January 28, 1994

STAFF

Lawrence C. Cox
General Manager

Ralph E. Smith, Jr.
Operations Director

Sheila K. Henschel
Administrative Services
Director

LEGAL COUNSEL

Michael C. Wiedel

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

I have enclosed a copy of the inspection report from my visit on Wednesday, January 26, 1994, for your review.

The deviations listed below must be responded to in writing within ten days:

1. The requirement for analyzing a composite sample for all the parameters listed in the Metal Finishing categorical regulations is a federal requirement and is described in Section III (E) of the permit. This analysis and reporting of all the parameters must be done at a frequency of every six months.

As we discussed during our initial interview, no results were reported for the first six months of 1993, which is in violation of the permit. There was a note indicating that the work would be done in July, but no results were reported.

Please review your files and report any relevant data. You should respond with a plan that will provide for the notification of the lab to run the testing, and some means to assure the reporting of this data in the future.

2. Include the date the semi-annual monitoring is done.

Past reports have not indicated the sample date. The added parameters of lead, cadmium and chromium are to be analyzed along with the routine parameters so we need to be able to tie all the data to a specific date.

I also recommend that the Emergency Contingency Plan be brought up to date with current chemical storage and uses at the 2325 Wisconsin building. This is not urgent, especially since you have some materials to get organized yet.

Please feel free to call me if you have any questions.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML enclosure

BOARN OF TRUSTEES

Donald E-Eckmann
President

Hugh A. Williams, Jr.
Vice-President

Herbert R. Reich

# Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County STAFF

Lawrence C. Cox General Manager Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

### COMMERCIAL/INDUSTRIAL WASTEWATER SURVEY 1992

COMPANY NAME: TRICON INDUSTRIES
DIVISION NAME (if applicable): ELECTROA: echavica
ADDRESS: 5408 JANES
CORPORATE ADDRESS (if applicable): 1600 EISEN hower LANC
LISLE TL. 60532
NAME OF CONTACT PERSON: LARRY MCDANIEL
TITLE: PLANT SuperinTendenT
PHONE NUMBER: 758-364-2830
SECTION I GENERAL INFORMATION  1. Please provide a brief narrative description of the manufacturing or service activities at your facility:
HIGHT ASSEMBLY & NICTAL STAMPING
2. List the Standard Industrial Classification Codes (SIC) which apply to your facility:
3089 - 3679

A MINISTER ASSESSED FIRE FOR THE PARTY OF TH

3.	Please check all the appropriate business functions that apply:
	Office spacePrinting/EngravingWarehouseRetail StoreMedical OfficePackagingRestaurant/CafeteriaComputer Center/AssemblyAuto RepairPhoto ProcessingManufacturingLaundry/Dry cleanerIndustrial LaundryLaboratoryAuto Body ShopCar Wash
4.	Hours of Operation
Shi	Number of Employees Shift Start Work Days Per Shift ft Does Shift Exist Time Per Week Office Plant Total
1st	Yes No 7:00 5 50
2nd	Yes / No 3:00 5 20
3rd	Yes No
5.	Does your facility have seasonal or scheduled shut down periods?
	Yes No
	If yes, please explain:
6.	Are there any immediate (within one year) plans to change the products or services provided that would alter the information provided above?
	Yes No
	If yes, please explain:
SEC	TION II RAW MATERIALS
	ease check all of the following chemicals or groups of chemicals which sused at your facility:
	Ammonia or Ammonia Compounds  Dyes or Coloring Agents  Oils (petroleum, vegetable or animal)  Cleaning Solvents  Soluble Metals or Metal (salt)  Compounds  Acids  Bases (Caustic Alkali)  Solvents (other than for cleaning)  Phenolic Compounds  Radioactive Elements

ITEM CHEMICAL COMPOUND

43. Vinyl chloride

#### SECTION III PRIORITY POLLUTANT INFORMATION

1. The following list of chemicals includes the priority pollutants. If any of these elements or compounds are known to be present in your facility's operations or are a by-product, please indicate by checking the appropriate line.

ITEM CHEMICAL COMPOUND

\_\_\_\_ 80. 2-Chloronaphthalene

Meta	allic	Compounds	Base	/Neut	ral Organic Compounds
	1.	Antimony	Polyr	nucle	ar Aromatics
	2,	Arsenic		44.	Acenaphthalene
	· 3,	Beryllium		45.	Acenaphthylene
	4.	Cadmium		46.	Anthracene
	. 5.	Chromium		47.	Benzo (a) anthracene
	6.	Copper		48.	Benzo (b) fluoranthene
	7.	Lead		49.	Benzo (k) fluoranthene
	8.	Arsenic Beryllium Cadmium Chromium Copper Lead Mercury Nickel Nickel Silver Thallium			Benzo (a) pyrene
~	<sup>-</sup> 9.	Nickel		51.	Benzo (g,h,i) perylene
	10.	Nickel		52.	Chrysene
ーレ	$\overline{11}$ .	Silver		53.	Dibenzo (a.h) anthracene
	12.	Thallium		54.	Fluoranthene
	13.	Zinc		55.	Fluorene
Vol		Organic Compounds		56.	Indeno (1.2.3-cd)-pyrene
		Acrolein		57.	Naphthalene
	15.	Acrylonitrile		58.	Phenanthrene
	16	Benzene			Pyrene
	17	Bromomethane	Base		ral Organic Compounds
			T241		d Esters
	19.	Bromoform			Bis(2-chloroethyl) ether
	20.	Bromodichioromethane Bromoform Carbon tetrachloride Chlorobenzene Chloroethane 2-Chloroethyl vinyl ether Chloroform Chloromethane Dibromochloroethane			Bis(2-chloroethoxy)methane
	21.	Chlorobenzene			Bis(2-ethylhexyl)phthalate
	22.	Chloroethane		63.	Bis(2-chloroisopropyl)ether
	23.	2-Chloroethyl vinyl ether		64.	Bis(2-chloroisopropyl)ether 4-Bromopenyl phenyl ether
	24.	Chloroform		65	Putul henzul mhthalate
	25.	Chloromethane		66.	4-Chlorophenyl phenyl ether
	26.	Dibromochloroethane		67.	Diethylphthalate
	27.	1,1-Dichloroethane		68.	Dimethylphthalate
	28.	1,2-Dichlorethane		69.	Dioctylphthalate
	29.	1,1-Dichlorethene		70.	Di-n-butylphthalet
	30.	Trans-1,2-Dichloroethene		71.	Isophorone
	31.				tral Organic Compounds
	32.	Cis-1,3-Dichlorpropene			Containing Compounds
	33.	Trans-1,3-Dichlorpropene			Benzidene
	34.				2,4-Dinitrotoluene
	35.	Methylene chloride		74.	2,6-Dinitrotoluene
	36.	1,1,2,2-Tetrachlorethane		75.	1,2-Diphenylhydrazine
	37.	Tetrachloroethane		76.	Nitrobenzene
	38.	1,1,1-Trichlorethane		77.	N-Nitrosodimethylamine
	39.	1,1,2-Trichlorethane		78.	
	40.	Trichlorethene		79.	N-Nitrosodiphenylamine
	41.	Trichlorofluoromethane	Base		tal Organic Compounds
	42.	Toluene			ted Hydrocarbons

ITEM	CHEMICAL COM	POUND	ITEM	CHEMICAL COMPOUND
81. 82. 83. 84. 85. 86. 87. 88. 90. Acid Orga 91. 92. 93. 94. 95. 96. 7. 98.	1,4-Dichloro 1,2-Dichloro 3,3'-Dichlor Hexachlorobe Hexachlorobu Hexachloroet Hexachlorocy 2,3,7,8-tetr dibenzo-p-di 1,2,4-Trichl nic Compounds 4-Chloro-3-m 2-Chlorophen 2,4-Dichloro 2,4-Dinitrop 2-Methyl-4,6 2-Nitropheno 4-Nitropheno	benzene benzene obenzene nzene tadiene hane clopentadiene achloro- oxin (TCDD) orobenzene ethyl phenol ol phenol phenol henol -dinitrophenol l henol	102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118.	Alpha-BHC Beta-BHC Gamma-BHC (Lindane) Delta-BHC Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde Heptachlor Heptachlor Heptachlor epoxide Toxaphene PCB (any isomer) eous Cyanide Asbestos
you faci it is kno	ical compoundity and the	d by the iter	n number anto the san	be present above, please list nd describe the amount used at itary sewer to the extent that  CALCULATED LOSS TO SEWER  (Pounds/Year)
*	3	8000		7
*_	<u>6</u> _	250,000		
عد	0	2099		ey e

\* IN METAL FORM MENY FROMUNE OF AN ANTICLE

### SECTION IV WATER USAGE INFORMATION

1.	Raw Water Source			
	Please indicate your s metered or estimated:	cource(s) for water. Ch	eck whether the	e source is
	SOURCE	NUMBER OF CONNECTIONS	METERED	<u>ESTIMATED</u>
	Municipal System	/	~	
	Private Well			
	Other			
2.		which is the source of	any municipal	water:
		/chicaso		
3.	How is water used with  A. Sanitary B. Food Serv C. Cooling W D. Cooling W E. Boiler Fe F. Air Condi G. Process W H. Plant Mai L. Air Pollu J. Landscape	Domestic vice Nater (Direct contact) Nater (Non-contact) Nater (Non-contact) Nater Nater (Non-contact) Nater Nater Nater Nater Nater	se check all t	
4.	What is the average da	aily process flow for yo	our facility?	
	Average daily p	process flow:		7-30-services
SEC		AND PRETREATMENT INFORM		
1.	Briefly describe any precycled:	processes in your facili	ty where water	is
				- ·· - · · - · - · - · - · · · · · · ·
			· •	معين هن جن حد مستناسيد جب بايد 4,4 ت

the sanitary sewer?	wastewater before it is discharged
Yes No _	
If yes, please check the pretreatmes are appropriate:	ment process or device (check as ma
Sump Septic Tank Grease Trap Triple Trap Grit Removal Sedimentation Flow Equalization Filtration Neutralization, pH Correction Silver Recovery Absorption Distillation & Stripping Evaporation Other Physical Treatment Type List all materials which are collected to the collected t	Centrifuge Cyclone Other Chemical Treatment Type Other Biological Treatment Type ected and/or stored for special or
Physical Type of Storage State Container Liquid, Solid (tank, drum, etc.) or Gas)	Quantity Disposed of Disposal During Calendar 1992 Method

- 5. What is the name of your regular refuse hauler? RoT's DISPOSAL
- 6. Has your facility submitted a spill containment or emergency response plan to the District?

If yes, please submit any changes to this plan. If no plan has been submitted, and one is required for your facility, we will send you a checklist for this activity.

#### SECTION VI MISCELLANEOUS INFORMATION

1. Other Permit Information

Does your facility have an NPDES (National Pollutant Discharge Elimination System) permit for a surface water discharge?

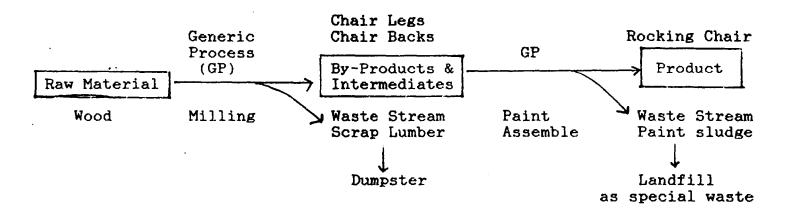
Yes \_\_\_\_ No \_\_ If yes, permit number(s) \_\_\_\_\_\_

Does your facility have a state air pollution permit?

Yes \_\_\_ No \_\_ If yes, permit number(s) \_\_\_\_\_\_

2. Process Flow Schematic

Please attach a flow chart of your major production process or service procedures, including the raw materials, products and wastestreams generated. The following is an example:



Raw materials may include feedstock, purchased materials which you further assemble, repackage, fabricate with, etc.

Generic processes may include chemical reactions by generic name, finishing operations, printing, packaging, assembly, etc.

Waste streams should include discharges to air, waterways, sanitary sewers, solid waste and re-use or recycled materials.

BOARD OF TRUSTEES

Donald E. Eckmann
President

Hugh A. Williams, Jr.
Vice-President

Herbert R. Reich
Clerk

# Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827 General Manager
Raliph E. Smith, Jr.
Operations Director
Sheilla K. Henschel
Administrative Services
Director

Lawrence C. Cox

LEGAL COUNSEL

STAFF

Michael C. Wiedel

Providing a Better Environment for South Central DuPage County

September 17, 1992

Dear District User:

The Downers Grove Sanitary District is asking commercial and industrial users to complete and return the enclosed survey questionnaire.

The purpose of this survey is to identify all District users who discharge wastes other than domestic sewage into the District's system and those users who have materials which are prohibited from discharge to the sanitary sewer system. These users will then be required to comply with the District's pretreatment ordinance by obtaining a discharge permit and/or preparing contingency plans.

The survey is being done at this time to assure that commercial and industrial users are in compliance with the recent revisions to the federal pretreatment regulations. The District plans to resurvey at regular intervals to keep the information up to date.

Please respond to the questions as completely as possible. If the information requested is just not obtainable, then don't answer the question. If you believe that you have a reasonably good answer, but don't know for sure, then your best estimate is an acceptable response.

The completed forms should be returned to the District, at the address above, by October 30, 1992. We have a large number of surveys to review and intend to respond to each users' questionnaire, so your cooporation in completing the survey and returning it as soon as possible will be greatly appreciated.

If you have any questions or comments regarding this questionnaire, please feel free to call myself, Jan Lacina, or Jim Jacobson at 969-0664.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML Enclosure



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

September 11, 1992

Lawrence C. Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Il. 60515

Dear Mr. Cox:

In review of your response to our nickel excursion, your suggestion of preliminary rinsing of the barrel and parts over the plating tank will be instituted immediately.

I am also in contact with Interlake Environmental Systems to determine feasibility of diverting the rinse water through a metals recovery deionizer prior to discharge into treatment pit.

I will keep you informed of any further changes that may be made to our system.

Thank you for your input and I appreciate any guidance that you may be able to lend.

Sincerely,

Larry McDaniel

Plant Superintendent

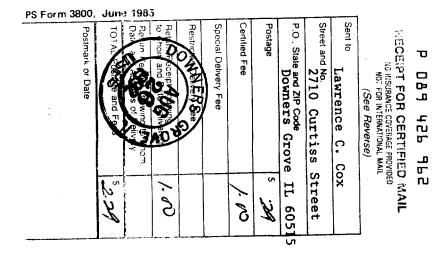
cc

J.C.

wann

S.W.

F.M.



SENDER: Complete Items 1 and 2 when additions 3 and 4.  Put your address in the "RETURN TO" Space on the recard from being returned to you. The return receipt fee wit to end the date of delivery. For additional fees the following for fees and check box(es) for additional service(s) required.  Show to whom delivered, date, and addressee's (Extra charge)	erse side. Failure to do this will prevent this individe you the name of the person delivered for any delivered for a will able. Consult postmaster ested.
3. Article Addressed to:	4. Article Number
Lawrence C. Cox	P 089 426 962
Downers Grove Sanitary District	Type of Service:
2710 Curtiss St.	Certified COD
P.O. Box 1412	Express Mail Return Receipt for Merchandise
Downers Grove, IL 60515	Abuse obtain algorature of addresses of agent and DATE DELIVERED.
5. Signature – Address X	A Address (ONLY if
8. Signature - Adam X	
7. Dete of Delivery	
8 Form 3811, Mar. 1988 * U.S.G.P.O. 1988-21	2-865 DOMESTIC RETURN RECEIP

. ••

44AT2

Sheila K. Henschel Operations Director Ralph E. Smith, Jr. General Manager Lawrence C. Cox

TEGYT CONNSET Director Administrative Services

Michael C. Wiedel

Sanitary District Downers Grove

Fax: 708-969-0827 Phone: 708-969-0664 Downers Grove, IL 60515-0703 P.O. Box 1412 2710 Curtiss Street

**DuPage** County Providing a Better Environment for South Central

Z661 'LI 1sn8nV

Downers Grove, IL 60515 S3S2 Misconsin Tricon Industries, Inc. Manufacturing Manager John Cieplak

CIGIK

Herbert R. Reich

Hugh A. Williams, Jr.

Donald E. Eckmann

BOARD OF TRUSTEES

Vice-President

Nickel Limit

Dear Mr. Cleplak:

for your facility's self monitoring on August il, 1992: The following permit excursion was noted on the sample collected

Semple for August 11, 1992

13.9 mg/L

2.38 mg/L - Monthly Average 3.98 mg/L - Daily Maximum

District within 10 days to prevent additional enforcement action. reoccurrence of this violation. The response must be submitted to the violation and what preventive measures shall be taken to prevent a discharge permit, you must respond in writing as to the cause of this In accordance with Section IV (B) of your industrial wastewater

. estimií action is indicated to assure compliance with the applicable enforcement in relation to past compliance to determine if further pue action will evaluate the response in terms of cause, corrective 9W

Please call Jan Lacina at 969-0664 if you have any questions.

DOMNERS GROVE SAUITARY DISTRICT

General Manager Lawrence C. Cox TWC

\*BOARD OF TRUSTEES

Donald E. Eckmann

Hugh A. Williams, Jr. Vice-President Herbert R. Reich

# Downers Grove Sanitary District

2710 Curtiss Street
P.O. Box 1412
Downers Grove, IL 60515-0703
Phone: 708-969-0664
Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

September 3, 1992

John Cieplak Manufacturing Manager Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515 Do Co. J. J.

Dear Mr. Cieplak:

Your response to the Notice of Violation issued for the nickel permit limit excursion has been reviewed. While the explanation appears to offer a likely cause, the District is not convinced that Tricon is taking all actions possible to provide for consistent compliance with the permit limits. The real cause for the violation is a lack of pretreatment. Past permit excursions have been caused by the same problem and the corrective actions, similar to those you propose, have not provided a fail-safe answer.

The procedural changes you outline will still leave the operators responsible for implementing the extended drain of the barrel over the plating tank. As we have seen in the past, when parts change the needs change and platers are busy with the normal press of their work, and don't have time to consider if the shape of the new parts will effect the compliance status of the discharge. As a result, changes in the shape of parts have sometimes been marked by violations, and when a violation occurs, the procedures are changed.

I would suggest that other, more permanent solutions be looked at. For example, rinsing over the plating bath. I don't know if it is feasible in your case, but it is done commonly at small plating operations. Since the baths are heated, water evaporates off the solutions so rinsing over the tank makes up partially for this loss. This would provide an effective way to remove the residual plating solution from the parts before the rinse. And there is the option to provide treatment for metals removal through the improvement of your system.

Please respond to these comments within 10 days from the date received.

Sincerely,
DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

jml

BOARD OF TRUSTEES

D'onald E. Eckmann
President

Hugh A. Williams, Jr.
Vice-President

Herbert R. Reich

# Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

708-969-0827 Michael C. Wiedel

STAFF

Director

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Administrative Services

Operations Director

LEGAL COUNSEL

General Manager

Providing a Better Environment for South Central DuPage County

January 24, 1992

Larry McDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

Dear Mr. McDaniel:

The inspection, conducted January 21, 1992, found your facility generally in compliance with the requirements of the discharge permit. The following is a summary of the deviations noted or recommendations made during the inspection.

- 1. The analytical laboratory running metals and cyanide analyses must use procedures prescribes by USEPA and conduct quality assurance work with each set of samples run. Tricon should have copies of the procedures used by the lab for sample preparation, analysis and quality assurance. The lab is certain to have these procedures available, so it is a simple matter of requesting them.
- 2. The Spill Contingency/Slug Load Plan drafted last year should be completed and submitted to the District for review. Your initial plan needed additional information as outlined in my letter of March 26, 1991. The guidance information from USEPA should also be reveiwed to assure a complete development of the plan. You should be able to complete the plan in three months, so I will set the submission date for April 30, 1992.
- 3. The plating sample log must contain the information identified in the permit (Section III (D)). This includes the sample dates, times, types and the names of the individuals collecting the samples and the person delivering them to the lab. If more than one person is responsible for collecting the sample, as in the case of the composite, the individual responsible for collecting samples during a specific shift or other time period must sign off on the log for the samples he collects.

4. All drums should be appropriately labeled as to contents and the labeling described in your Solvent Management Plan should be provided for all materials prohibited from discharge to the sewer. This includes oils, alcohols, plating solutions and solvents. Although they are not toxic organics, they are still covered by District ordinance and can not be discharged to the sewer.

A written response to the comments in this letter is required and due within ten working days of the date of this letter. Please describe what actions are being taken to address the specific comments made to the inspection and include the expected time these measures will be implemented.

Please feel free to call me if you have any questions.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

January 29, 1992

Janet M. Lacina Laboratory Services Director Downers Grove Sanitary District 2710 Curtiss St. P.O. Box 1412 Downers Grove, Il. 60515-0703

Dear Ms. Lacina

In response to your concerns noted in the inspection of our facility conducted January 21, 1992.

- 1. Envirotest Laboratory has been contacted, Frank Mroczka, Glenn Andres, (Quality Supervisor) and myself will be visiting their facility in February, 1992 to review their testing procedures and quality assurance documentation.
- 2. We are currently reviewing the guidance manual you left with us. As you know we are in the process of obtaining additional space, this will allow us to have a designated chemical storage area for spill control and containment. I will submit an updated contingency plan for your approval in early March.
- 3. The wastewater sampling log will be reformatted for easier interpretation and an area to sign for those individuals taking the samples.

  We have instituted a shipping memo to be used to establish chain of custody from sampler to driver to testing facility. Each person handling the sample will sign the memo. Copies will be maintained in the finishing department by Frank Mroczka.
- 4. All drums of waste oil and chemicals have been verified for proper labeling. Again a designated area will be provided for storage when additional space is acquired.

Please feel free to contact me if you have any questions.

Sincerely,
Larry McDaniel
Plant Superintendent



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

February 8, 1992

George Lenos General Manager Enviro-Test Laboratories, Inc. 319 Ogden Avenue Downers Grove, Ill. 60515-3142

Dear Mr. Lenos

I have been unsuccessful in communicating with you by telephone, however there are some requirements that must be met by my company. The metals and cyanide analyses that your company performs for Tricon must conform to procedures prescribed by USEPA and backed by Quality Assurance data for each set of samples run.

Tricon requires in our possession, your written test procedures and documentation of Quality assurance.

If possible, I would like to tour your facility, with my Quality, and plating supervisors and view the analysis in process.

Your prompt attention in these matters is greatly appreciated,

Sincerely;

rarry mo Donie

Larry McDaniel Plant Superintendent

cc: RWG

SW



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

January 29, 1992

Janet M. Lacina Laboratory Services Director Downers Grove Sanitary District 2710 Curtiss St. P.O. Box 1412 Downers Grove, Il. 60515-0703

Dear Ms. Lacina

In response to your concerns noted in the inspection of our facility conducted January 21, 1992.

- 1. Envirotest Laboratory has been contacted, Frank Mroczka, Glenn Andres, (Quality Supervisor) and myself will be visiting their facility in February, 1992 to review their testing procedures and quality assurance documentation.
- 2. We are currently reviewing the guidance manual you left with us. As you know we are in the process of obtaining additional space, this will allow us to have a designated chemical storage area for spill control and containment. I will submit an updated contingency plan for your approval in early March.
- 3. The wastewater sampling log will be reformatted for easier interpretation and an area to sign for those individuals taking the samples.
  We have instituted a shipping memo to be used to establish chain of custody from sampler to driver to testing facility. Each person handling the sample will sign the memo. Copies will be maintained in the finishing department by Frank Mroczka.
- 4. All drums of waste oil and chemicals have been verified for proper labeling. Again a designated area will be provided for storage when additional space is acquired.

Please feel free to contact me if you have any guestions.

Sincerely, Jarry McDaniel

Plant Superintendent

BOARD OF TRUSTEES

Donald E. Eckmann
President

Hugh A. Williams, Jr.
Vice-President

Herbert R. Reich
Clerk

# Downers Grove Sanitary District

27 10 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel



September 3, 1992

John Cieplak Manufacturing Manager Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

### Dear Mr. Cieplak:

Your response to the Notice of Violation issued for the nickel permit limit excursion has been reviewed. While the explanation appears to offer a likely cause, the District is not convinced that Tricon is taking all actions possible to provide for consistent compliance with the permit limits. The real cause for the violation is a lack of pretreatment. Past permit excursions have been caused by the same problem and the corrective actions, similar to those you propose, have not provided a fail-safe answer.

The procedural changes you outline will still leave the operators responsible for implementing the extended drain of the barrel over the plating tank. As we have seen in the past, when parts change the needs change and platers are busy with the normal press of their work, and don't have time to consider if the shape of the new parts will effect the compliance status of the discharge. As a result, changes in the shape of parts have sometimes been marked by violations, and when a violation occurs, the procedures are changed.

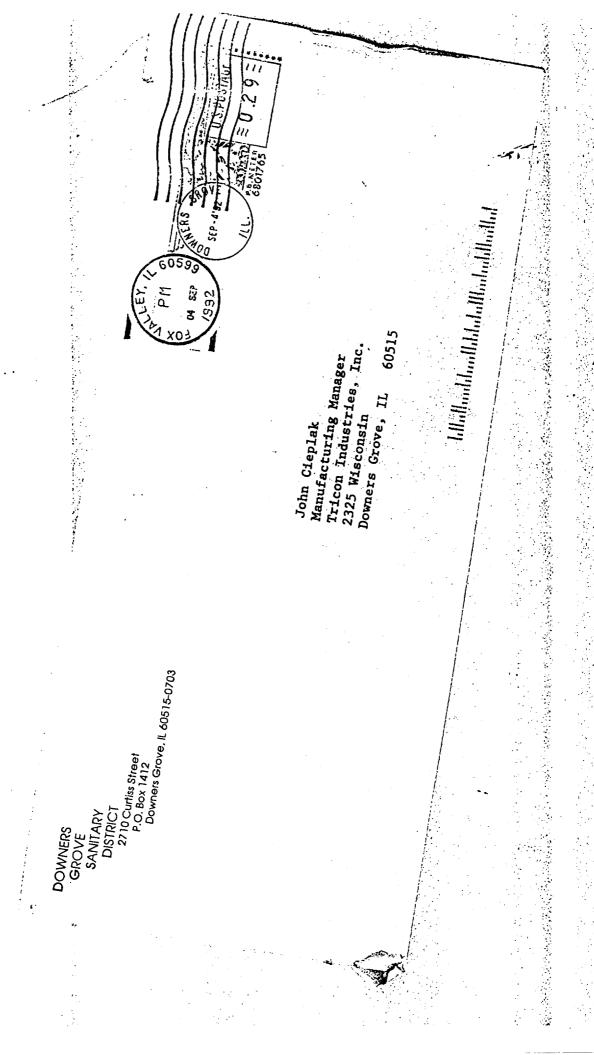
I would suggest that other, more permanent solutions be looked at. For example, rinsing over the plating bath. I don't know if it is feasible in your case, but it is done commonly at small plating operations. Since the baths are heated, water evaporates off the solutions so rinsing over the tank makes up partially for this loss. This would provide an effective way to remove the residual plating solution from the parts before the rinse. And there is the option to provide treatment for metals removal through the improvement of your system.

Please respond to these comments within 10 days from the date received.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

iml





**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

Mr. Lawrence C. Cox Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515 (708) 969-0664

8/24/92

RE: Nickel Excursion of 8/11/92

Dear Mr. Cox,

We were first notified of the nickel excursion on 8/11/92 by Enviro-Test. In the course of checking our 24 hr. self-monitoring sample they reported a level of 12.0 mg/L.

On that day, our department and plant manager met to discuss the report. Our past control charts for nickel waste water were evaluated. They confirmed that we have never had readings anywhere near the 12.0 mg/L reported. Based upon our data we believed Enviro-Test could have misplaced the decimal, as we did have a number of previous readings at 1.2 mg/L. A re-check of the sample was requested. We notified Jan Lacina of the high reading received from Enviro-Test.

On Thursday, 8/13/92, we called Enviro-Test for the results of the re-test. They stated their equipment was down and they would call us back with the analysis as soon as possible.

Early Monday morning, 8/17/92, we again called Enviro-Test. They had just completed the re-check and reported a 13.1 mg/L. Later this day we received Jan's call notifying us of the excursion.

#### Cause of excursion

A number of atypical events caused the excursion. It began when our customer could not obtain the usual izen-coated steel (backordered) required for their job. Izen-coated parts would not require plating. They asked us to nickel plate the backplates for this run. The parts are rectangular cold rolled steel plates approximately 3" x 4" and 1/8" thick. Parts of these dimensions normally should be rack, not barrel, plated.

We have determined that the parts were not held long enough above the nickel solution tank to allow the excess nickel to drain off, prior to being placed into the rinse tank. Due to the flat dimensions of the parts, the plates stuck together and trapped nickel solution between them while still in the barrel

On this same day, our vibratory machine finished another load of these plates using a soap compound and a water rinse. This would be another contributing factor to the high reading of nickel observed.

#### Corrective Action

Should we ever be requested to plate these, or similar parts again, a number of corrective action items have been instituted. On a normal plating job the barrel is held above the nickel tank stationary for two (2) minutes to allow for solution drain off. This has been doubled to four (4) minutes. We will additionally revolv: the barrel during this time to resolve the problem of the nickel being trapped between plates.

We are very confident this process will assure complete drainage of the nickel, prior to being placed into the water rinse tank. The above have been documented on the process sheet for this job, eliminating the chance of a reoccurrence.

Should this job ever run again, we will confirm the effectiveness of our corrective actions by performing another 24 hour self-monitoring test on the same day and submitting the sample to Enviro-Test for immediate analysis.

In closing, I hope we have explained to your satisfaction the causes and the corrective actions we have instituted to prevent another reoccurrence. We submitted another sample to Enviro-Test on 8/17/92. As of this date, we do not yet have the results of this submission.

Please call if you have any questions. Thank you.

Sincerely,



**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

September 11, 1992

Lawrence C. Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Il. 60515

Dear Mr. Cox:

In review of your response to our nickel excursion, your suggestion of preliminary rinsing of the barrel and parts over the plating tank will be instituted immediately.

I am also in contact with Interlake Environmental Systems to determine feasibility of diverting the rinse water through a metals recovery deionizer prior to discharge into treatment pit.

I will keep you informed of any further changes that may be made to our system.

Thank you for your input and I appreciate any guidance that you may be able to lend.

Sincerely,

Larry McDaniel

Plant Superintendent

CC

J.C.

S.W.

F.M.

BOARD OF TRUSTEES
\*Donald E. Eckmann
Resident
Hugh A. Williams, Jr.
Vice-President
Herbert R. Reich
Cierk

# Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County STAFF

Lawrence C. Cox General Manager Ralph E. Smith, Jr. Operations Director

Shella K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

### COMMERCIAL/INDUSTRIAL WASTEWATER SURVEY 1992

COMPANY NAME: TRICON INCUSTRIES
DIVISION NAME (if applicable): ELECTRO WECHREICAL
ADDRESS: 2325 WISCONSIN AUE
CORPORATE ADDRESS (if applicable): 1600 EISENhower LANE
LISLE, TL. 60532
NAME OF CONTACT PERSON: LARRY MCDANIEL
TITLE: PLANT SUPERINTENDENT
PHONE NUMBER: 708 - 964-2336
SECTION I GENERAL INFORMATION
1. Please provide a brief narrative description of the manufacturing or service activities at your facility:
INSERT = INJECTION MOLDING OF ELECTROMECHANICAG
OpenPONENTS & CONNECTORS. PLATING USING NICKEL,
COPPER, 51LUER & GOLD.
2. List the Standard Industrial Classification Codes (SIC) which apply to your facility:
3089 - 3678 - 3679 - 3613

3.	lease check all the appropriate business functions that apply:	
	Office space	_
4.	lours of Operation	
	Number of Employees	
Shi	Shift Start Work Days Per Shift Does Shift Exist Time Per Week Office Plant Total	
1st		
2nd	Yes No 3:00 5 0 58 58	
3rd	Yes No 11:00 5 0 101 61	
5.	oes your facility have seasonal or scheduled shut down periods?	
	Yes No 🗸	
	If yes, please explain:	_
6.	are there any immediate (within one year) plans to change the produc-	ts
	or services provided that would alter the information provided above	?
	Yes No	
	If yes, please explain:	
SEC	ON II RAW MATERIALS	
	se check all of the following chemicals or groups of chemicals whased at your facility:	ich
	Ammonia or Ammonia Compounds  Dyes or Coloring Agents  Oils (petroleum, vegetable or animal)  Cleaning Solvents  Soluble Metals or Metal (salt)  Compounds  Acids  Bases (Caustic Alkali)  Solvents (other than for cleaning)  Phenolic Compounds  Radioactive Elements	

41.

43.

Toluene

Vinyl chloride

42.

Trichlorofluoromethane

#### SECTION III PRIORITY POLLUTANT INFORMATION

1. The following list of chemicals includes the priority pollutants. If any of these elements or compounds are known to be present in your facility's operations or are a by-product, please indicate by checking the appropriate line.

	ITEM	CHEMICAL COMPOUND		ITEM	CHEMICAL COMPOUND
Meta	allic	Compounds	Base	e/Neut	ral Organic Compounds
		Antimony	Poly	ynucle	ar Aromatics
		Arsenic	•		Acenaphthalene
	_				Acenaphthylene
~	Δ.	Cadmium			Anthracene
	3. 4. 5. 6. 7. 8. 9. 10.	Chromium			Benzo (a) anthracene
	· &	Copper			Benzo (b) fluoranthene
	- 7.	Lead		ΛQ	Bango (k) fluorenthana
	ρ.	Mercury		50	Benzo (a) pyrene Benzo (g,h,i) perylene Chrysene Dibenzo (a,h) anthracene Fluoranthene Fluorene Indeno (1,2,3-cd)-pyrene
	~ °°	Nickel		51	Renzo (g.h.i) nervlene
	J.	Nickel		52	Chrysene
	10.	Silver		52. 53	Dibenzo (a h) anthracene
	11.	Mr = 1 1 4 · · · ·		5.A	Fluorenthana
	13.	Thallium		54. 55	Fluorene
		Zinc		55. 56	Indexe (1 2 3-od)-numere
AOTS		Organic Compounds		50. 57	Namb+halana
		ACTOLETII	<del></del>	JI.	Maphiniarene
	15.		<del></del>		Phenanthrene
	16.				Pyrene
	17.				ral Organic Compounds
	18.		Eth		d Esters
	19.				Bis(2-chloroethyl) ether
	20.				Bis(2-chloroethoxy)methane
	21.			62.	Bis(2-ethylhexyl)phthalate
	22.			63.	
	23.			64.	4-Bromopenyl phenyl ether
	24.			65.	
	25.			66.	
	26.			67.	
	27.	1,1-Dichloroethane		68.	
	28.				Dioctylphthalate
	29.	1,1-Dichlorethene			Di-n-butylphthalet
	30.	Trans-1,2-Dichloroethene		71.	
	31.	1,2-Dichlorpropane	Bas	e/Neut	ral Organic Compounds
	32.		Nit	rogen	Containing Compounds
	33.	Trans-1,3-Dichlorpropene		72.	Benzidene
	34.	Ethylbenzene		73.	2,4-Dinitrotoluene
	35.			74.	2,6-Dinitrotoluene
	36.			75.	1,2-Diphenylhydrazine
	37.			76.	Nitrobenzene
	38.			77.	N-Nitrosodimethylamine
	39.			78.	N-Nitrosodi-n-propylamine
	40.	· ·		79.	N-Nitrosodiphenylamine

Base/Neutal Organic Compounds

80. 2-Chloronaphthalene

Chlorinated Hydrocarbons

	ITEM	CHEMICAL COMPOUND		ITEM	CHEMICAL COMPOUND
Chlo	rinate	ed Compounds	Pest	cicide	Compounds
	81.	1,3-Dichlorbenzene		102.	Aldrin
	82.	1,4-Dichlorobenzene		103.	Alpha-BHC
	83.	1,2-Dichlorobenzene		104.	Beta-BHC
	84.	3,3'-Dichlorobenzene		105.	Gamma-BHC (Lindane)
	85.	Hexachlorobenzene		106.	Delta-BHC
	86.	1,4-Dichlorobenzene 1,2-Dichlorobenzene 3,3'-Dichlorobenzene Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Hexachlorocyclopentadiene 2,3,7,8-tetrachloro-		107.	Chlordane
	87.	Hexachloroethane		108.	4,4'-DDD
	88.	Hexachlorocyclopentadiene		109.	4,4'-DDE
	89.	2,3,7,8-tetrachloro-		110.	4,4'-DDT
		dibenzo-p-dioxin (TCDD)			Dieldrin
	90.	1,2,4-Trichlorobenzene			Endosulfan I
Acid		nic Compounds		113.	Endosulfan II
	Δ1	4 (71-1 2 + 1 1 1		114.	Endosulfan sulfate
	92.	2-Chlorophenol		115.	Endrin
	93.	2,4-Dichlorophenol			Endrin aldehyde
	94.	2-Chlorophenol 2,4-Dichlorophenol 2,4-Dimethylphenol 2,4-Dinitrophenol 2-Methyl-4,6-dinitrophenol 2-Nitrophenol 4-Nitrophenol Pentachlorophenol		117.	Heptachlor
	95.	2,4-Dinitrophenol		118.	
	96.	2-Methyl-4,6-dinitrophenol			
	97.	2-Nitrophenol		120.	
	98.	4-Nitrophenol	Misc	cellan	· · · · · · · · · · · · · · · · · · ·
	99.	Pentachlorophenol		121.	
	100.	Phenol			Asbestos
		2,4,6-Trichlorophenol		123.	Phenols

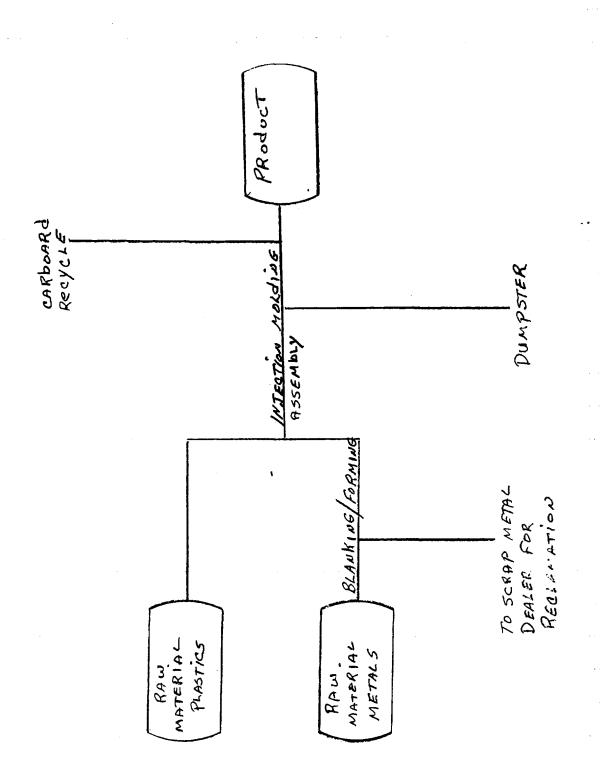
2. For the chemicals checked as known to be present above, please list the chemical compound by the item number and describe the amount used at you facility and the amount lost to the sanitary sewer to the extent that it is known:

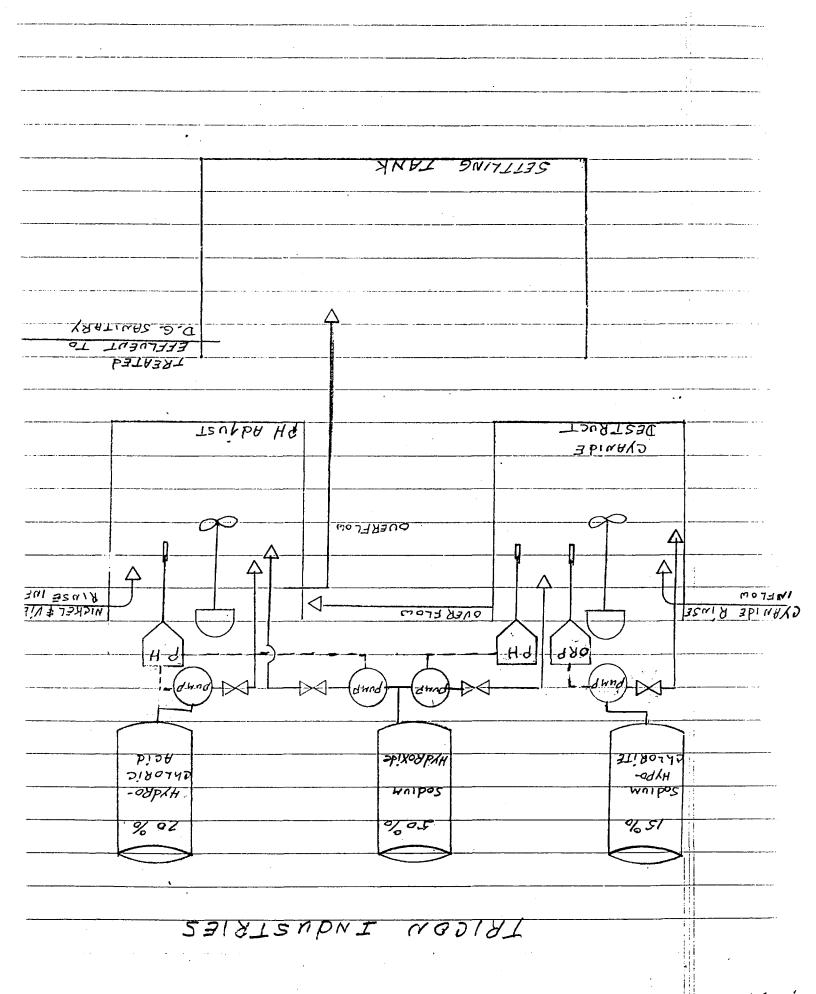
ITEM NUMBER	ANNUAL USAGE (Pounds/Year)	CALCULATED LOSS TO SEWER (Pounds/Year)
10		7,04
-9		5.7
		• 4
50		4.5
121		LESS THAN .18
		1055 Than . 18
13		Less Thru \$45
		LOSS THAN 122

### SECTION IV WATER USAGE INFORMATION

	metered or estimated: SOURCE	NUMBER OF CONNECTIONS	METERED	ESTIMATED	
	Municipal System	/	V		
	Private Well				
	Other				
2.		which is the source of an			
3.	How is water used within your facility? (Please check all that apply.)				
	D. Cooling V E. Boiler Fe F. Air Cond:  G. Process V H. Plant Ma:  I. Air Pollu J. Landscape	vice Water (Direct contact) Water (Non-contact) eed itioning Water intenance (Clean-Up) ution Equipment			
4.	What is the average da	aily process flow for you	r facility?		
	Average daily p	process flow:	432	LGPD	
SEC	TION V WASTE DISPOSAL	AND PRETREATMENT INFORMA	TION		
1.	Briefly describe any processes in your facility where water is recycled:				
	MINÉ			·	

2.	Briefly describe the reclamation or recycling of materials at your facility, and list in question 4, below, the materials that are stored on site for recycling/reclamation offsite.				
	DEGREASING (VAPOR) SOLVENT,	, TETRACHLERD ETHYL	ep2		
	Rechained, SPENT Nicke	L PLATING SOLUTI	on Sinpped		
3.	disposed.  Is any pretreatment provided for w the sanitary sewer?		_		
	Yes No				
	If yes, please check the pretreatm as are appropriate:	ent process or device (	check as many		
4.	Sump Septic Tank Grease Trap Triple Trap Grit Removal Sedimentation Flow Equalization Filtration Neutralization, pH Correction Silver Recovery Absorption Distillation & Stripping Evaporation Other Physical Treatment Type  List all materials which are colle	Centrifuge Cyclone Other Chemical Tr Type Other Biological Type cted and/or stored for	reatment Treatment		
(	hazardous waste disposal or for re  Physical Type of Storage State Container Liquid, Solid (tank, drum, etc.)	Quantity Disposed of During Calendar 1992	Disposal Method		
	or Gas) TETRACHLORETHYLORE LIQUID URUM	165 906	RECLAMATION		
	SOLUTION ORUM	385 900	Secland Tion		





- 5. What is the name of your regular refuse hauler? ROTS DISPOSAL
- 6. Has your facility submitted a spill containment or emergency response plan to the District?

If yes, please submit any changes to this plan. If no plan has been submitted, and one is required for your facility, we will send you a checklist for this activity.

#### SECTION VI MISCELLANEOUS INFORMATION

1. Other Permit Information

Does your facility have an NPDES (National Pollutant Discharge Elimination System) permit for a surface water discharge?

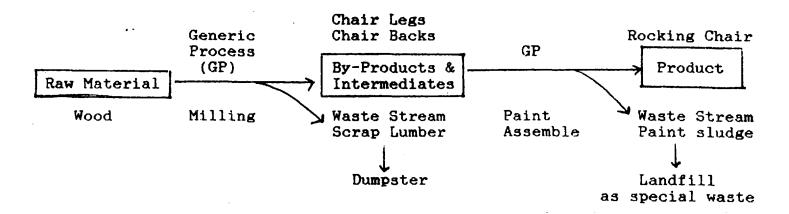
Yes \_\_\_ No V If yes, permit number(s) \_\_\_\_\_

Does your facility have a state air pollution permit?

Yes No \_\_ If yes, permit number(s) APRICATION F 87040046
TD Number 043030 ADR

2. Process Flow Schematic

Please attach a flow chart of your major production process or service procedures, including the raw materials, products and wastestreams generated. The following is an example:



Raw materials may include feedstock, purchased materials which you further assemble, repackage, fabricate with, etc.

Generic processes may include chemical reactions by generic name, finishing operations, printing, packaging, assembly, etc.

Waste streams should include discharges to air, waterways, sanitary sewers, solid waste and re-use or recycled materials.

BOARD OF TRUSTEES

Donald E. Eckmann
President

Hugh A. Williams, Jr.
Vice-President

Herbert R. Reich
Clerk

### Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County

January 24, 1992

STAFF

Lawrence C. Cox
General Manager

Ralph E. Smith, Jr.
Operations Director

Sheila K. Henschel
Administrative Services

LEGAL COUNSEL

Michael C. Wiedel

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin
Downers Grove, IL 60515

#### Dear Mr. McDaniel:

The inspection, conducted January 21, 1992, found your facility generally in compliance with the requirements of the discharge permit. The following is a summary of the deviations noted or recommendations made during the inspection.

- 1. The analytical laboratory running metals and cyanide analyses must use procedures prescribes by USEPA and conduct quality assurance work with each set of samples run. Tricon should have copies of the procedures used by the lab for sample preparation, analysis and quality assurance. The lab is certain to have these procedures available, so it is a simple matter of requesting them.
- 2. The Spill Contingency/Slug Load Plan drafted last year should be completed and submitted to the District for review. Your initial plan needed additional information as outlined in my letter of March 26, 1991. The guidance information from USEPA should also be reveiwed to assure a complete development of the plan. You should be able to complete the plan in three months, so I will set the submission date for April 30, 1992.
- 3. The plating sample log must contain the information identified in the permit (Section III (D)). This includes the sample dates, times, types and the names of the individuals collecting the samples and the person delivering them to the lab. If more than one person is responsible for collecting the sample, as in the case of the composite, the individual responsible for collecting samples during a specific shift or other time period must sign off on the log for the samples he collects.

4. All drums should be appropriately labeled as to contents and the labeling described in your Solvent Management Plan should be provided for all materials prohibited from discharge to the sewer. This includes oils, alcohols, plating solutions and solvents. Although they are not toxic organics, they are still covered by District ordinance and can not be discharged to the sewer.

A written response to the comments in this letter is required and due within ten working days of the date of this letter. Please describe what actions are being taken to address the specific comments made to the inspection and include the expected time these measures will be implemented.

Please feel free to call me if you have any questions.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

#### Ocotober 11, 1991

Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, Il. 60515

#### Dear Janet:

As a follow-up to our meeting of September 10, 1991, the following actions have been taken.

- 1) A purchase order has been placed for three (3) filtered and baffled sludge tanks, to prevent discharge of particulates, from vibratory finishers, to waste stream.

  Copy of purchase order, tank drawing, sample of 80 micron filter paper, and laboratory report showing particle size have been enclosed.
- 2) Silver tumbling operations have not resumed, we will advise when these operations will occur.
- 3) Review of original design of waste treatment system would indicate that it still meets all requirements. The only change is increase in frequency of plating operations which is being handled adequately by present treatment methods.
- 4) Quote was received (copy enclosed) from Ashland Chemical for pumping and disposal of liquid effluent and sludge. This quote of \$5.05 per gallon is a fourfold increase in disposal costs from July 1989, 4234 gallons were pumped at that time. As an alternative we would propose pumping the top half of pit through a swimming pool type filter of amorphous diatomaceous earth and discharging effluent to sanitary system. This would significantly reduce our costs.
- 5) We have not received bottles from you for splitting of composite samples, if you wish us to supply bottles please advise. We will be sampling week of October 21.
- 6) All plating data is now being compiled in duplicate.

If additional information is required, please do not hesitate to contact me.

Sincerely,

Larry McDaniel Plant Superintendent BOARD OF TRUSTEES

Donald E. Eckmann
President

Hugh A. Williams, Jr.
Vice-President

Herbert R. Reich
Clerk

### Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County

September 11, 1991

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschell Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin
Downers Grove, IL 60515

#### Dear Mr. McDaniel:

The intent of the review meeting was to call your attention to the fact that the violations noted on the permit excursions and the self monitoring report submissions are serious and that serious action is required to address them at this time. Well intended measures taken in the past have not provided consistent compliance with permit requirements and the District's response to further violations will be formal enforcement actions, the minimum of which is an administrative order.

The responsibility for meeting pretreatment requirements falls on Tricon, this includes the installation of any additional equipment needed to meet standards.

There are several limitations to the existing pretreatment system, some of them were noted during the meeting. The lack of any visual contact with the system and the continuous flow configuration are obstacles to operator control. Personnel can't see the condition of the flow and once something is in the system it is outside of any control measure for any parameters except cyanide. It was not well designed to remove the solid metals generated in the vibratory finishing area, and cannot remove the dissolved metals from the plating section.

With these equipment limitations in mind, personnel must be trained fully to know what the characteristics of the wastewater generated in the plating/finishing department are, what materials in the department are prohibited from the system, why they are prohibited and what the proper means of disposal are. In addition they must know what to do if any prohibited material gets into the system, to prevent it from being discharged. What it really comes down to is that your compliance is very dependent upon plating/finishing personnel following procedures that control all metals at the source.

I have summarized the areas where action has been planned or initiated and some points which need to be investigated:

- 1. Investigate additional means to filter the vibratory finishing wastewater, including particle size considerations, or other treatment technology.
- Install baffles on tumbler settling basins to prevent short 2. circuiting of solids.
- Compile all plating data in duplicate. 3.
- 4. Note the submission dates for self monitoring reports on monthly calendar.
- In the absence of Mr. McDaniel, self monitoring reports will be signed by either the Manufacturing Manager or Executive Vice President.
- 6. Split samples with District on normal monthly self monitoring.
- Notify District when silver tumbling operations are running to repeat the conditions of the last violation for monitoring.
- 8. Provide a written response when required by a letter or notice of violation, within the time provided.
- 9. Look into original design and engineering information on the system to determine if requirements have changed.

The documents enclosed are from the original IEPA permit application and may be of some help. You should have additional information on hand to determine what sort of production data was used to design the system. It would then be a simple matter to compare that information to current data.

Please keep me informed of your activities in these areas.

Sincerely. DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

General Manager

LCC/jml Enclosures BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664

Providing a Better Environment for South Central DuPage County

August 28, 1991

Lawrence C. Cox General Manager

Ralph E. Smith, Jr.
Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL
Michael C. Wiedel

Larry McDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

#### Dear Mr. McDaniel:

Your response to the Notice of Violation issued August 12, 1991 has been reviewed and is not adequate or complete in the following areas:

- 1. The violations included a late self monitoring report submission, missing data, which was later included and a question as to who is authorized to sign the reports. You must respond to these violations as well as the silver excursions. What actions will you take in the future to be sure reports are submitted by the due date, how will data be tracked to prevent loss, who should sign the reports, do they meet the requirements set down in 40 CFR Part 403.12 (1). While a completed report was submitted and a verbal response was made by Susan Grandel, you must still respond on the specific actions in writing.
- 2. The explanations related to the silver excursions are not specific as to the cause of the excursions or the actions that will be taken to prevent any future reoccurrence. A similar high silver was found during our sampling in January 1990. At that time no plating was being done and the source was identified as the vibratory finishing area. According to the response submitted at that time, filters were installed. To continue along that thought, your current questions should include why are you still getting high silvers after the filters were added? Is it a failure of the filter, a need to replace them, are particle sizes smaller than the filter is designed to retain or is there some other explanation? You need to look into what is being done in the area. According to our records, the cleaning department is involved in monitoring the level of solids in the inspection tank, were they doing anything that could have caused a problem?

These are some areas that you should look into. The data summary for the last monitoring visit is enclosed. Please note that the days when the silver was high, the copper and zinc were also higher, perhaps this might be helpful. Janet has informed me that her results on the sample filtrate were indeed much lower than the total sample but because of the length of time the samples have been sitting the silver in solution would have probably plated out anyway so this information does not conclusively determine that the problem is one of silver metal contamination.

Janet has also informed me that a grey foam was visible on a sample pulled from the inspection tank the last day of sampling and suggests that you look for the use of some surfactant or other foam producing mechanism in the pretreatment system.

In light of the nature of this problem a review meeting will be held at the District offices on Tuesday, September 10, 1991 at 1400 hours to formally review the steps you will take and determine if any additional measures are required. You should attend the meeting with any of Tricon's staff who could provide additional information or involvement with the actions required to prevent future violations.

If you have any questions regarding these comments or the schedule of the meeting, please feel free to call Janet Lacina.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C, Cox General Manager

purence C. Cox

jml Enclosure

# 000

#### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

August 30, 1991

Mr. Lawrence Cox Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703

Dear Mr. Cox:

This letter is in response to your letter dated August 28, 1991, regarding the violations with the self-monitoring report. In order to ensure that data is not misplaced in the future, the original forms will be kept in a three-ring binder in the Cleaning Department. At the end of each month, a copy will be forwarded to my office and will be kept in an active file. In addition, due dates for this report will be added to my monthly calendar during the months of April, July, October, and January. This is a calendar which is posted in my office that I refer to daily. This will act as a reminder to complete the selfmonitoring report.

The other concern was regarding the signatory requirement. Larry McDaniel will be signing all reports in the future. If he is on vacation at the time the report is to be mailed, John Cieplak, Manufacturing Manager, or Ralph Grandle, Executive Vice President, will sign the report. Their job descriptions meet the signatory requirements outlined in 40 CFR Part 403.12 (1).

If additional information is required, please do not hesitate to contact me.

Sincerely,

Ms. Susan Grandle

Human Resources Manager

co: Larry McDaniel

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664

DuPage County

Providing a Better Environment for South Central

August 12, 1991

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL
Michael C. Wiedel

Ralph Grandle Vice President Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

lear Mr. Grandle:

The District has noted the following violations related to the operation of Tricon's plating/finishing department pretreatment system under the permit issued by the District.

1. Silver excursions identified during District monitoring in July;

Silver Limit 0.43 mg/L Sample for 7/10-11 0.74 mg/L Sample for 7/11-12 1.00 mg/L

- 2. The late submission of the self monitoring report for the period of April 1 through June 30. The report was due on July 20, 1991, it was received on August 8, 1991. In addition, the report is incomplete, with the following material missing:
  - a. The process flow and pH data for April is not included;
  - Yb. The report contains no certification statement regarding the handling and disposal of toxic organics as required by the permit;
    - c. The report is not signed by an authorized representative.

These are serious violations and without prompt action Tricon will be in significant non compliance, the minimum penalty for which is public notice of the IU and its violation.

Self monitoring reports must be complete when submitted, or within 30 days of the due date. Once the 30 day grace period is past, and the report is not complete, Tricon will be in significant non compliance.

A written response, addressing each violation must be submitted within 10 days from the date of this letter. The response should discuss the causes for the violations and the measures that will be taken to prevent a reoccurrence of the violations.

The District feels that these violations were avoidable and some are repetitive in nature. To address this, a compliance meeting will be scheduled after the District has reviewed your response. This is an informal meeting with the purpose of further evaluating the violations, the response and the need for any additional remedies.

Please contact Jan Lacina if you have any questions regarding these actions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

Jamence C. Cox

General Manager

LCC/jml

Lawrence Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Il. 60515

Dear Mr. Cox

In response to your letter dated August 12, 1991, concerning our silver excursion of 7/10 through 7/12 we have attempted to reconstruct events of that period. We were indeed silver plating those days. Seven (7) loads per day were processed.

Review of our records from Enviro-Test Labs and our plating log for the period January 5, 1990 through July 24, 1991, (which consists of 54 samples) of which we were silver plating on 12 of the sampled dates. The highest readings were July 15 (.33) and May 6 (.30). Six (6) loads were plated each of those days.

Test results from Enviro-Test Labs have not indicated any trend to an excursion. With the exception of the two (2) indicated dates all other analysis have been less than .13.

Based on the above information silver plating does not seem to be the cause of the excursion.

The other possible source could be from our vibratory finishing process. The sediment trapped in the vibratory rinse water filter will be sent for analysis to verify silver content. Additionally a five (5) gallon sediment trap will be added to each vibratory finisher to lessen the amount of particulate discharged to pit.

Additional testing of the pit for heavy metals will be performed during the plating and finishing operations to further identify source.

With the unusual nature of these test results, Janet has agreed to attempt a retest of her sample. Her cooperation and willingness to work with us is greatly appreciated.

We will Keep you abreast of progress and test results. Please feel free to contact me if you have any questions regarding these actions.

Sincerely

Larry McDaniel Plant Superintendent Lawrence Cox General Manager Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, Il. 60515

Dear Mr. Cox

In response to your letter dated August 12, 1991, concerning our silver excursion of 7/10 through 7/12 we have attempted to reconstruct events of that period. We were indeed silver plating those days. Seven (7) loads per day were processed.

Review of our records from Enviro-Test Labs and our plating log for the period January 5, 1990 through July 24, 1991, (which consists of 54 samples) of which we were silver plating on 12 of the sampled dates. The highest readings were July 15 (.33) and May 6 (.30). Six (6) loads were plated each of those days.

Test results from Enviro-Test Labs have not indicated any trend to an excursion. With the exception of the two (2) indicated dates all other analysis have been less than .13.

Based on the above information silver plating does not seem to be the cause of the excursion.

The other possible source could be from our vibratory finishing process. The sediment trapped in the vibratory rinse water filter will be sent for analysis to verify silver content. Additionally a five (5) gallon sediment trap will be added to each vibratory finisher to lessen the amount of particulate discharged to pit.

Additional testing of the pit for heavy metals will be performed during the plating and finishing operations to further identify source.

With the unusual nature of these test results, Janet has agreed to attempt a retest of her sample. Her cooperation and willingness to work with us is greatly appreciated.

We will Keep you abreast of progress and test results. Please feel free to contact me if you have any questions regarding these actions.

Sincerely

Larry McDaniel Plant Superintendent

#### DOWNERS GROVE SANITARY DISTRICT Monitoring Data

Report Date: Analysis Date:

Monitoring Location:

TRICON INDUSTRIES. INC.

2325 Wisconsin, Downers Grove, IL Plating/Finishing Dept. Pretreated Discharge

	Plating/Fir	nishing Dept.	Fretreated	Discharge
Sample Number:	11254	11256	11257	11258
Sample Date:	7/08/91	7/09/91	7/10/91	7/11/91
Sample Type:	ISCO AUTO	DMATIC COMPOS	SITE-FLOW PRO	PORTIONED
Sample Time:	N/A	N/A	N/A	N/A
,				
Parameters				
Antimony (T)	NA	NA	NA	NA
Arsenic (T)	NA	NA	NA	NA
Barium (T)	NA NA	NA	NA	NA
Beryllium (T)	NA	NA	NA	NA
Boron (T)	NA	NA	NA	NA
Cadmium (T)	.025 PPM	<.020 PPM	.038 PPM	<.020 PPM
Chromium (T)	<.050 PPM	<.050 PPM	<.050 PPM	<.050 PPM
Copper (T)	.554 PPM	.596 PPM	1.800 PPM	2.240 PPM
Iron (T)	NA	NA	NA	NA
Lead (T)	<.100 PPM	<.100 PPM	<.100 PPM	<.100 PPM
Manganese (T)	NA	NA	NA	NA
Mercury (T)	NA	NA	NA	NA
Molybdenum (T)	NA	NA	NA	NA
Nickel (T)	1.43 PPM	.934 PPM	.837 PPM	.067 FPM
Selenium (T)	NA	NA	NA	NA
Silver (T)	.045 PPM	.011 PPM	.744 PPM	1.000 PPM
Thallium (T)	NA	NA	NA	NA
Zinc (T)	.059 PPM	.050 PPM	.169 PPM	.130 PPM
	_			

11255 7/09/91 11:35 Hrs

Total cyanides

\*0.04 PPM \* analyzed by Envirotest Labs

All analyses in accordance with 40 CFR Part 135.

**BOARD OF TRUSTEES** Hugh A. Williams, Jr. President Herbert R. Reich VIce-President Donald E. Eckmann Clerk



27 10 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664

Providing a Better Environment for South Central **DuPage** County

March 26, 1991

Larry McDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Dear Mr. McDaniel:

I have reviewed your contingency plan for handling chemical spills and have made some comments below. The District's interest is mainly in how spills are detected, contained, cleaned up and disposed of, so I have limited my comments to the contingency plan itself and not made any comments on the hazard communication or emergency response plans.

The idea and basis for the slug control plan is old, coming from the first pretreatment regulations. At the same time this is a new type of plan and what specifically USEPA is looking for, that is not covered by the spill containment plans previously required, is in need of interpretation. The USEPA will be issuing some guidance this summer and for this reason I have not set any deadline, at this point, for the submission of your completed slug control plan. I don't want you to submit a document now that will not meet the guidelines provided later.

Generally, the outline of the plan addresses what I would see as the potential sources for spills. You provide some information on what personnel will do in the event of a spill but there are too few specifics on how personnel will accomplish this, the location of equipment, how to use it, what protective clothing should be used for each operation and where these items are located.

- The acid storage and spill sections refer to acid spill clean-up kits but does not give specific locations and procedures.
- 2. In section 5.0, dealing with the Deox cleaner in the plating area, needs specific instructions for transferring spilled material. pretreatment neutralization system is referred to as the method of disposal for any spilled cleaner, but there are limitations to any systems ability to neutralize, particularly if it is continuous How will the pretreatment system's performance be monitored.

Lawrence C. Cox General Manager Ralph E. Smith, Jr.

Operations Director Sheila K. Henschell Administrative Services Director

LEGAL COUNSEL Michael C. Wiedel 3. Section 8, which covers the procedures for spills involving the plating solutions, does not give specific actions that personnel should take to prevent a slug discharge from occurring. When should flow to the pretreatment system be shut down, how can the spill be isolated and pumped out, can the treatment system handle the concentration of metals being discharged to it and how will its performance be monitored.

This is where a serious metals excursion could occur. Simple alkaline treatment forms a metal floc but it will largely remain suspended in the water and will not settle out unless polymer is added to bind the floc and precipitate it. Past monitoring data indicates that the concentration of metals in the pretreatment system effluent is normally much higher than we see in systems using polymer flocculation. How would you avoid a serious permit excursion, one that could potentially put your facility in significant noncompliance?

- 4. My comment on the alkaline spill handling parallels that given for the acid spills.
- 5. The cyanide clean up again relies upon the pretreatment system for disposal. Cyanide destruction has limitations as well. What size spill can be handled and what cannot, both in terms of concentration and volume. What actions will be taken to assure that the cyanide in the treated wastewater is within the permit limit. Not all of the floor drains in the plating area discharge to the cyanide destruction pit, are personnel handling cyanide knowledgeable in the proper discharge point for any waste material. What personnel are authorized to handle cyanide, presumably they would be platers and know which drains discharge to the treatment system.

The problem I see with relying on the cyanide destruction pit without qualification as to the size of the spill and clean-up effort is that it is a continuous flow situation. As I understand the system, the destruction tank is always full of water, the overflow runs to the pH adjustment tank. As water is added, the pH and ORP is adjusted to provide for cyanide destruction, but this is not an empty tank that you can fill with water to be treated as a batch, it is a continuous flow, the faster you add water, the faster it discharges, so it is possible that water will be added at a rate faster than the cyanide can be treated.

Overall, the plan the plan is a good start, but should be more specific. The object is to provide for containment and removal of any spills to prevent their discharge.

When preparing a contingency plan the writer always has the hope the plan will never be needed, but it is important to be prepared for any eventuality so that personnel know what sort of situation they can handle and what they cannot. The potential spill situations involving plating solutions and cyanide will require employees to make fast decisions, the plan should enable them to act quickly and take the correct actions to prevent violations of the discharge permit while ensuring the safety of Tricon presonnel.

At this point I would recommend that you take some time to consider these points and when the guidance information is available I will forward it to you.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

iml

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Cierk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664 LEGAL COUNSEL
Michael C. Wiedel

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Administrative Services

General Manager

Operations Director

STAFF

Director

Providing a Better Environment for South Central DuPage County

August 12, 1991

Ralph Grandle Vice President Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Dear Mr. Grandle:

The District has noted the following violations related to the operation of Tricon's plating/finishing department pretreatment system under the permit issued by the District.

1. Silver excursions identified during District monitoring in July;

Silver Limit
.. 0.43 mg/L

Sample for 7/10-11 0.74 mg/L Sample for 7/11-12 1.00 mg/L

- 2. The late submission of the self monitoring report for the period of April 1 through June 30. The report was due on July 20, 1991, it was received on August 8, 1991. In addition, the report is incomplete, with the following material missing:
  - a. The process flow and pH data for April is not included;
  - \b. The report contains no certification statement regarding the handling and disposal of toxic organics as required by the permit;
  - c. The report is not signed by an authorized representative.

These are serious violations and without prompt action Tricon will be in significant non compliance, the minimum penalty for which is public notice of the IU and its violation.

Self monitoring reports must be complete when submitted, or within 30 days of the due date. Once the 30 day grace period is past, and the report is not complete, Tricon will be in significant non compliance.

A written response, addressing each violation must be submitted within 10 days from the date of this letter. The response should discuss the causes for the violations and the measures that will be taken to prevent a reoccurrence of the violations.

The District feels that these violations were avoidable and some are repetitive in nature. To address this, a compliance meeting will be scheduled after the District has reviewed your response. This is an informal meeting with the purpose of further evaluating the violations. the response and the need for any additional remedies.

Please contact Jan Lacina if you have any questions regarding these actions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

General Manager

LCC/jml

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Cierk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664

Providing a Better Environment for South Central DuPage County

April 19, 1991

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr.

Shella K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Larry McDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

RE: Letter of Violation-Late reporting of permit excursion.

Dear Mr. McDaniel:

The nickel excursion and its cause, which was cited in the self-monitoring report for the first quarter 1991, is noted, however, the correct procedure for notification was not followed for the violation.

The District is to be notified of any permit excursion with 24 hours of your notification from the laboratory. This is one of the revisions made to the permit issued last year and is intended to provide faster response to an excursion and verifying the return to compliance status.

In the event of future excursions, notification shall be made to the District within 24 hours of your notification.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664

Providing a Better Environment for South Central DuPage County

February 12, 1991

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Shella K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Susan Grandle Human Resources Manager Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

Dear Ms. Grandle:

As you requested, I am sending you the regulations covering slug prevention and control plans. The regulation is one of the amendments to the pretreatment regulations that were published in the <u>Federal Register</u> on July 24, 1990.

While this is an important regulation it is not the only basis for requesting that containment plans be provided. The District's current ordinance does require spill containment for any toxic materials, and any materials prohibited from discharge to the sanitary sewer.

Under the amended regulations, the District is required to evaluate each industrial user to determine if a slug control plan is needed. Tricon Industries is being asked to prepare a plan because conditions suggest there is the potential for a slug discharge due to: 1) the type and quantity of chemicals in the plating area; 2) the type of under floor drainage system in the area; and 3) the lack of any means to contain or treat a slug of leaked or spilled concentrated material.

The comments and response to comments provides some insight into the intent behind the regulation. It can be seen also that the District is afforded some flexibility in determining which situations will require the plans and what the plans should include.

In looking at your facility, the plan should contain the following elements:

- a) Description of the materials in the plating area, amounts and locations.
- b) Description of handling practices including procedures used in transferring, receiving new shipments, removing spent materials or emptied containers.

- c) procedures for detecting spills and leaks.
- d) Procedures for handling spills and leaks. What equipment is on site to contain the material, how would the material be removed and disposed of?
- e) Procedures for notifying the Distict when a spill occurs and for a written follow up within five days.
- f) What training is provided for personnel, who is responsible on site for assuring the written procedures are implemented.

I hope this helps to explain what I am looking for. Obviously it is up to your staff to evaluate what you have in plating and what means are necessary to prevent it from being discharged.

Please feel free to call me with any questions or comments.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Janet In Laune

Laboratory Services Director

Enclosure



April 19, 2002

U.S. Environmental Protection Agency Carol Ropski Emergency Enforcement & Support Section, SE-5J 77 West Jackson Boulevard Chicago, Illinois 60604-3590

Re: Downers Grove Groundwater Investigation Site

#### Response to Attachment B Information Requests

1. The following individuals were consulted in the preparation of this document.

Ralph Grandle
President
Tricon Industries
Home address:
8415 Charles Ct.
Downers Grove, IL 60516-4911

John (Jay) Winkler
Vice President
Tricon Industries
Home address:
124 Stableford Dr.
Glen Ellyn, IL 60137

Larry McDaniel
Plant Manger
Tricon Industries
Home address:
1912 Seton Hall Dr.
Naperville, Ill. 60565

Rich Schmitt
Maintenance Supervisor
Tricon Industries
Home address:
12058 Arlene Dr.
Homer Glen, IL. 60441

Len Lucchesi
Materials Manager
Tricon Industries
Home address:
1324 Peshtigo
Naperville, IL 60564

John Cieplak
Director of Manufacturing
Tricon Industries
Home address:
5220 Cypress Ct.
Lisle, IL 60532

Frank Mroczka
Plating/Finishing Supervisor
Tricon Industries
Home Address:
1468 Whitespire Ct.
Naperville, IL 60565

- 2. The following documents were consulted and are enclosed as part of this response.
  - A. Phase I & II Environmental assessment
  - B. Downers Grove Sanitary District Quarterly Reports
  - C. Downers Grove Sanitary District correspondence
  - D. Downers Grove Sanitary District Wastewater permits.
  - E. Solvent manifests 1983 to present
  - F. Form "R" and correspondence for reporting years
  - G. Drawings
    - 1. Finishing department layout and floor drain plan
    - 2. Piping floor plan, new addition
    - 3. Plumbing plan for original structure (sheets 28 & 29)
  - H. Environmental work instructions
    - 1. Spill Contingency Work Instruction
    - 2. Waste Management Work Instruction
    - 3. Wastewater Work Instruction
    - 4. Vapor Degreaser Work Instruction
    - 5. NESHAP Work Instuction
- 3. N/A
- 4. Yes, Phase I & II Environmental assessments. (See item #2)
- 5. There are no monitoring wells on this property.
- 6. Yes (See items #4 & #2 Phase I & II Environmental assessment)

- 7. No storage tanks in any form have ever existed on this property.
- 8. Prior to 1980 the solvent management plan consisted of one (1) Phillips Vapor Degreaser which used Perchloroethylene.

Perchloroethylene has always been purchased in 55 gallon drum quantities. Storage capacity has been limited to two (2) drums new solvent and two (2) or three (3) drums used solvent.

Disposal of used solvent consisted of recycling or fuel blending, off site by supplier or waste disposal company.

All solvent was maintained indoors in an area absent of floor drains.

- 1,1,1 Trichloroethane was used as a cold batch degreaser in small quantities. Two (2) to three (3) drums of new and used were maximum quantities on hand. The use of 1,1,1 was discontinued in 1988.
- 9. See item #8
- 10. 1963 1993

Parco Products (no records are available as to quantities purchased) 3240 S. Kolin Ave.

Chicago, IL. 60623

1994 – present Finishing Equipment Inc. 1120-E Republic Dr. Addison, IL. 60101 86 drums – 4,730 gallons purchased

11. Waste solvent handlers:

1963 to 1983 American Chemical Service

Griffith, IND. 46319

**US EPA # IND**016360265

No records are available as to quantities shipped prior to 1983.

1983 to 1990 American Chemical Service

64 drums, 3,520 gallons Griffith, IND. 46319

US EPA # IND016360265

1990 to 1992 **Avganic Ind**.

15 drums, 825 gallons 114 N. Main

Cottage Grove WI 53527

US EPA # WIJ000808824

1993 to 1999 Hydrite Chemical Co. 42 drums, 2,310 gallons 114 North Main St.

42 drums, 2,310 gallons 114 North Main St.
Cottage Grove, WI. 53527

US EPA #WID000808824

2000

Detrix Corp.

4 drums, 220 gallons

2537 Lemoyne Ave. Melrose Park, IL. 60160 US EPA #ILD074424938

2000 to present 7 drums, 385 gallons Heritage - Crystal Clean LLC

s 15330 Canal Bank Road

Lemont, IL. 60439

US EPA # INR000006536

- 12. Drawings enclosed (see item #2)
- All available correspondence between Downers Grove Sanitary District and Tricon Industries are enclosed. (see item #2)
- All floor drains in the cleaning department empty into the wastewater treatment pit. (See department layout drawing). Floor drains in the area of the vapor degreaser are plugged to contain a spill of solvent should one occur. Floor drains throughout the rest of the building are located in washrooms or janitors closets. (see enclosed piping plans.)
- 15. Plating / Finishing supervisors:

1963 – 1970 Helmar Berg (Deceased) Chicago, IL.

1970 – 2002 Frank Mroczka 1468 Whitespire Ct.

Naperville, IL. 60565

16. Reports for required reporting years are enclosed. (see item #2)

#### Conclusion:

All solvents from inception to present have always been handled conscientiously not only from an environmental perspective but also as an economical standard. There has been little to no turnover (39 years) in the direct supervision of the Cleaning department, which controls all solvent usage. Employees of the Cleaning department are certified class "K" wastewater treatment works operators as is the Plant Manager and are fully versed in handling, storage and use of solvents.

Submitted by:

Larry McDaniel
Plant Manager

#### DOWNERS GROVE SANITARY DISTRICT

Discharge Permit Number 2 Issuance Date: October 15, 2000 Expiration Date: October 15, 2005

Permittee Name: Tricon Industries, Inc.

Permittee Address: 1600 Eisenhower Lane Lisle, Illinois 60532

Name of Premise Permitted: Tricon Industries, Inc.

Location of Permitted Premise: 2325 Wisconsin Avenue

Downers Grove, Illinois 60515

In accordance with the provisions of Article II(A), Section 4 of the District's Sewer Use Ordinance, the above designated Permittee is hereby authorized to discharge industrial wastewater from the above facility and through the discharge lines identified herein, into the sanitary sewer system of the Downers Grove Sanitary District subject to said Permittee's compliance with applicable pretreatment standards, District Ordinances, and the terms and conditions of this permit. The Permittee is not authorized to discharge wastewater to the District except by permit. Compliance with this permit does not relieve the Permittee of its obligations to comply with any and all applicable pretreatment regulations, standards, or requirements under local, state, or Federal laws, including any such regulations, standards, requirements, or laws that become effective during the term of this permit.

Noncompliance with any term or condition of this permit shall constitute a violation of the Downers Grove Sanitary District's Sewer Use Ordinance.

The Permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The Permittee shall submit to the District such information, forms and fees as are required in accordance with Article II(A), Section 4.5, as application for permit renewal, a minimum of ninety (90) days prior to the expiration date.

**Downers Grove Sanitary District** 

awrence C. Cox, District General Manager

#### I. Description of the Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electromechanical switches and connectors used in the production of automotive, communications, and household equipment. Operations on site include a captive electroplating operation and associated cleaning and finishing operations. These process operations are governed by the federal categorical regulations for the metal finishing industry, 40 CFR Part 433.

Rinsewater from the plating and finishing areas are pretreated prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorination process for cyanide destruction in cyanide bearing wastestreams, and final pH adjustment.

Metallic contaminants are controlled through filtration on vibratory finishing equipment and by operator control of the plated materials rinse location. Although there is a settling tank, no polymeric precipitation is provided to remove the metallic hydroxides.

Plating solutions and rinsewaters with higher concentrations of metals are prohibited from discharge to this system, whether by accidental or deliberate means.

The wastewater discharged from this facility consists of: 1) pretreated plating/finishing discharge, estimated at 6,500 gallons per day, and 2) sanitary wastewater, estimated at 10,000 gallons per day.

The point of discharge to the District's sanitary sewer system is at District Manhole Number II-A-54. Three sampling points are specified in this permit, identified as 001-A, 001-B, and 001-C. The locations for these sampling points are as follows:

- 001-A This is the discharge from the plating/finishing department, at the inspection tank and represents the pretreated wastewater flow. This sampling point shall be used for all monitoring to establish compliance with the limits on metals and TTO parameters in Sections II(A) and (B) of this permit.
- 001-B The discharge from the cyanide destruction pit in the plating area, prior to mixing with any other wastestream. Samples to monitor for compliance with the cyanide limit in Section II(A) shall be collected from this tank.
- 001-C This sampling point is the inspection manhole at the front of the building and represents the total flow from the facility. This location will be used when conducting sampling to evaluate compliance with the specific local limits in Section II(C) of the permit.

For the purposes of self-monitoring for compliance with this permit the Permittee shall not sample at any other location without prior notice and authorization from the District.

#### II. Discharge Limitations

A. During the effective period of this permit, the discharge from the plating/finishing department shall not exceed an average daily flow of 8,500 gallons per day and shall not exceed the following limitations:

	Maximum  Daily Concentration	Maximum Monthly Average
<u>Pollutant</u>	(mg/L)	(mg/L)
Cadmium (total)	0.11	0.07
Chromium (total)	2.77	1.71
Copper (total)	3.38	2.07
Lead (total)	0.69	0.43
Nickel (total)	3.98	2.38
Silver (total)	0.43	0.24
Zinc (total)	2.61	1.48
Cyanide, (amenable)	0.86	0.32
Cyanide, (total)	1.2	0.65
pH	6.0 - 9.0	6.0 - 9.0

B. Total toxic organics (TTO) are defined as the summation of all quantifiable values greater than 0.01 mg/L for the specified organics in the Metal Finishing regulations, 40 CFR Part 433. The TTO limit is specified as:

<u>Pollutant</u>	Daily Maximum	Maximum Monthly Avg.
TTO	2.13 mg/L	-

C. The combined sanitary and process flows from this facility to the sanitary sewer system shall not exceed the following specific limitations at Manhole-001-C, based on a twenty-four hour composite:

Pollutant	<u>Limit</u>	Pollutant	<u>Limit</u>
Arsenic, Total	0.52 mg/L	Lead, Total	2.15 mg/L
Cadmium, Total	0.28 mg/L	Mercury, Total	0.033 mg/L
Chromium, Total	14.0 mg/L	Nickel, Total	4.27 mg/L
Chromium, Hexavalent	0.81 mg/L	Selenium, Total	0.43 mg/L
Copper, Total	2.54 mg/L	Silver, Total	0.57  mg/L
Cyanide, Total	1.34 mg/L	Zinc, Total	2.61 mg/L

pH shall be in the range of 5.5 – 9.0 Standard Units, for any grab sample.

- D. Any sludge produced in the plating/finishing department or pretreatment system shall be disposed of in an approved landfill or by other approved methods.
- E. All discharges from this facility shall be in compliance with the ordinances of the District, the statutes of the State of Illinois, and the regulations of the U.S. Environmental Protection Agency and the Illinois Environmental Protection Agency.
- F. The discharge from this facility shall not produce any adverse effects on the District's sewer service that would endanger worker health and safety, private or public property, the public health, the integrity of the receiving stream, and/or processes of the District's Wastewater Treatment Center.

#### III. Self-Monitoring and Reporting Requirements

A. The Permittee shall sample and analyze wastewater at the specific locations and for the parameters, frequencies and sample types specified herein:

<u>Parameter</u>	<u>Location</u>	Frequency	Sample Type
Flow	Plating/Finishing Dept. Water Meters	Daily	-
pН	001-A	3 Days/Mo.	One Grab
Copper (T)	001-A	3 Days/Mo.	One Continuous
Nickel (T)	44		Composite
Silver (T)	44	"	"
Zinc (T)	66	<b>c</b> .	"
Cyanide (T	) 001-B	3 Days/Mo.	One Grab

Cyanide samples shall be collected only when cyanide destruction pit is operating.

All samples shall be preserved at the time of collection and shall be representative of the volume and nature of the discharge.

- B. The Permittee shall report to the District on a quarterly basis the results from the monitoring described in Section III(A). These self-monitoring reports shall be submitted by the twentieth day of the month following the end of the previous calendar quarter and shall include the monitoring results, flow measurements and the following information and certification statements:
  - 1. The volume of chemical sludge disposed of during the month, the name of the hauler and ultimate destination of the waste.

2. The report shall be signed by an Authorized Representative of the permitted industrial user, or a duly authorized agent and shall include the following certification statement:

"I have personally examined and am familiar with the information submitted in the attached document and I hereby certify under penalty of law that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment."

- 3. When analyses are performed by an outside laboratory, the name, address and telephone number for the lab shall be included in the report.
- 4. A description of any spills of materials that are prohibited from discharge to the sanitary sewer system, including any of the materials covered by the industrial spill prevention, containment and control (SPCC) plan. If no spill occurred, the following certification shall be included in the report:

"Based on my inquiry of the person or persons directly responsible for managing the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief that no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- C. If the Permittee analyzes any parameters listed in Sections II (A) through (C) at a frequency greater than is specified, using methods described in 40 CFR Part 136 or other approved methods, then the Permittee shall report all these results to the District in the self-monitoring report.
- D. Every six-months, the Permittee shall collect one manual composite sample at sampling location 001-A, the pretreated plating/finishing discharge, and have it analyzed for all the metal pollutant parameters in Section II(A). A grab sample shall be taken during the composite period at 001-B and it shall be analyzed for total cyanide. The results from these analyses shall be reported with the next self-monitoring report.
- E. The Permittee shall notify the District by telephone within 24 hours of the Permittee being informed by a laboratory doing analytical work for self-monitoring that a sample exceeded a permit limit. Resampling shall then be scheduled to allow for follow-up sampling within thirty (30) days of the violation to determine if the discharge has returned to compliance.
- F. On request by the District, the Permittee shall provide the District with splits on samples collected by the Permittee for self-monitoring purposes.

- G. The Permittee shall notify the District immediately by telephone upon any accidental or slug discharge to the District's system. The Permittee shall follow-up with a written report within five (5) days of the incident, fully describing what occurred, who was notified, how the spill was cleaned up and disposed of and what measures are being taken to prevent a reoccurrence. By ordinance, a slug is defined for a permit limited pollutant as a concentration five (5) times or more the stated limit, or a pollutant that is discharged at a concentration that could either interfere with the treatment process or would pass through to the receiving stream.
- H. When a compliance schedule has been included as part of the permit, or amended to it, a Pretreatment Compliance Schedule Progress Report shall be submitted to the District no later than fourteen (14) days after the scheduled date of each increment of progress. At a minimum, these reports shall include whether the increment of progress has been complied with, and if not, the date the Permittee expects to comply with the increment of progress and the steps being taken to return to the established schedule.
- I. All measurements, tests and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto, or with other test procedures approved by the USEPA Administrator. Sampling shall be performed in accordance with the techniques approved by the USEPA Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question, or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutants in question, sampling and analyses shall be performed using validated analytical methods or any sampling and analytical techniques approved by the USEPA Administrator.

#### IV. Permit Compliance

- A. The Permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, subparagraphs A through F.
- B. In the event the Permittee does not comply with the conditions of this permit, the District General Manager shall notify the Permittee in writing of the specific violation of this permit. The Pennittee shall be given ten (10) working days from the receipt of aforementioned notification to respond to the District in writing, detailing steps taken or to be taken by the Permittee to prevent a reoccurrence of the cited violation. In the event the District General Manager determines that the Permittee's action will not prevent a reoccurrence of a violation of this permit, the General Manager will notify the Permittee in writing of the measures and/or devices that the Permittee must institute to comply with the conditions of the permit, and the time period in which said measures and/or

devices must be implemented. The above provisions are in addition to, not in lieu of any other enforcement remedies available to the District.

- C. The permit shall be revoked due to any falsification or intentional misrepresentation by the Permittee of any data or information required under this permit.
- D. Penalties for failure to comply with the terms and conditions of this permit, or orders issued hereunder shall include fines of at least \$100 but no more than \$1000 per day per violation. The District may seek to recover court costs and costs of monitoring and analyses caused by such violations and the costs of any actual damage incurred by the District.

#### V. General Conditions

- A. All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from this facility is expected to materially and substantially change, the Permittee shall give sixty (60) day notice in writing to the District and shall make new application to the District prior to said change. The Permittee shall not materially or substantially change the type, quality or volume of its wastewaters beyond that allowed by this permit, without prior approval from the District.
- B. The Permittee shall allow representatives of the Downers Grove Sanitary District, upon presentation of credentials, ready access at all reasonable times to all parts of the Permittee's premises for the purposes of inspection, sampling, records examination, or other tasks necessary to monitor and insure compliance by the Permittee with the terms and conditions of this permit. The Permittee hereby licenses the District the right to use the existing roadway, parking lot, and surface areas of the Permittee's facility for the purpose of collecting samples, and making inspections of the wastewater discharges to the District's system.
- C. All monitoring reports required under this permit shall be available for public inspection at District offices.
- D. The Permittee shall retain for a minimum of three (3) years, and afford the District access to, any and all records of monitoring activities and results related to wastewater discharges from the subject facility.
- E. This permit is issued to the named Permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.

- F. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal or local laws.
- G. The Permittee shall not increase the use of potable or process water, or in any way attempt to dilute a wastestream as a partial or complete substitution for adequate treatment in order to achieve compliance with the limitations contained herein.
- H. In the event a court of competent jurisdiction determines that any portion of this permit is invalid, such a determination shall not affect the validity of the remaining portions of this permit.

#### VI. Term of the Permit

The term of this permit shall be from the issuance date to the stated expiration date. Provided, however, that the permit is contingent upon the issuance of an NPDES Permit to the District. Provided further that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit, prior to its anticipated expiration date, the District may amend this permit upon thirty (30) day written notice to the Permittee.

#### DOWNERS GROVE SANITARY DISTRICT REPORTING SUMMARY

T	+	
1	tem	

#### Due at DGSD

1.	Quarterly Self-monitoring
	Reports

By the twentieth day of the month following the calendar quarter (i.e., April, July, October, and January).

2. Notice of Permit Excursion

Within 24 hours of receiving notice from the analytical lab, telephone notice must be given to the District of the violation, and resampling scheduled within 30 days to determine compliance status. Failure to provide notice within 24 hours is "failure to accurately report" and is (SNC) Significant Noncompliance.

3. Spill or Slug Reports

Notify the District immediately by phone, explain that a spill or slug has entered the sewer. A written report must be submitted within five (5) days of the incident.

4. Process or Flow Change Reports

Submitted to and received by the District sixty (60) calendar days prior to implementing the changes, at which time re-application shall be made for the Industrial Discharge permit.

5. Compliance Reports

When a compliance schedule has been amended to a permit, the Permittee shall submit periodic compliance reports to the District within fourteen (14) days of each increment of progress in the schedule and at the final compliance date of the schedule.

6. Permit Renewal Application

Submitted to and received by DGSD ninety (90) days prior to the current permit's expiration date.

All reports should be mailed to:

DOWNERS GROVE SANITARY DISTRICT ATTN: Janet Buchner

Downers Grove, Illinois 60515

2710 Curtiss Street

Donald E. Eckmann
President
Wallace D. Van Buren
Vice-President
David J. Morrill

## **Downers Grove Sanitary District**

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Providing a Better Environment for South Central DuPage County

April 10, 2000 Larry MacDaniel Plant Superintendent Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Dear Mr. MacDaniel:

The industrial wastewater discharge permit issued to Tricon Industries, Inc. will expire on April 15, 2000. To provide for a timely renewal of the permit, an application form is enclosed, which should be completed and returned to the district no later than July 15, 2000.

Section IV (C) requires the submission of monitoring data from your facility's wastewater discharge. The correct sampling location for this is at the sampling point designated 001-C, the inspection manhole in front of the building. A 24-hour composite sample shall be collected (except for cyanide), and the following parameters analyzed on the sample:

Arsenic (total)

Cadmium (total)

Chromium (total)

Copper (total)

Lead (total)

Mercury (total)

Nickel (total)

Silver (total)

Selenium (total)

Zinc (total)

Cyanide (total) one grab sample to be taken during the compositing period

The completed application is due by July 15, 2000. Please feel free to call me if you have any questions.

Sincerely,

**DOWNERS GROVE SANITARY DISTRICT** 

Janet M. Buchner

Laboratory Services Director

enclosure

## DOWNERS GROVE SANITARY DISTRICT INDUSTRIAL PERMIT APPLICATION (BASELINE MONITORING REPORT)

**SECTION I: IDENTIFYING INFORMATION** 

	Fac		- <b>-</b>			h	o	^ .
В.	Bus	siness Ad	dress:	Street addr 113L City	E15E) E	TLL- State	60 Zip c	9.06 0.532 code
								60515
D.	Nar	ne of pe	son con	npleting thi	s applicat	lon:		
	Name	ARRY	MCD	ANIEL	PLA Title	NT MAN	I AGER	2 630-964-2 Phone Number
Ε.	Org	janizatio	n of busi	iness: sole	proprieto	orship, parl	nership	o, corporation
							ind assi	umed name
	2.	if differen	nt from a	answer to S	Section I(A	A) above.		umed name
	2. 3.	If partne if differer address	rship, gint from a ation, gint of register	ve names of answer to Solve state in tered agented Agent's	of general Section I(A) which includes Name	A) above. I partners a A) above. corporated	and ass and th	
	2. 3.	If partne if differer address	rship, gint from a ation, gint of register	ve names of answer to Solve state in tered agented Agent's	of general section I(A) which includes Name 2.2	A) above. I partners a A) above.	and ass and th	sumed name
F.	2. 3.	If partne if different address State: 2	rship, gint from a stion, gint of registed Address Employe	ve names of answer to State in tered agentise Agent's Street Address ee's:	of general section I(A) which includes Name (2)	A) above. I partners a A) above. Corporated,	and ass	sumed name  e name and  STATES COR

H. Time and Duration of Discharge to Sanitary Sewer System:

Discharge occurs from 7:04A.M/P.M. to 2:0 A.M/P.M. Circle one

Circle the Days of week discharge occurs: Su Mo (Live) Fr Sa

I. List the Standard Industrial Codes (SIC) which apply to your facility: (If more than one applies, list in descending order of importance)

Code 1 3089; 2 3678; 3 3679; 4 36/3; 5;

SECTION II: PRODUCTION DATA [403.12 (b)(3)]

A. Schematic Process Diagram [403.12(b)(3)]

Provide a schematic diagram for any processes resulting in the discharge of wastewater to the sanitary sewer system. Please attach it as exhibit "A".

B. Average Production Rates: (Complete this section only if required to do so in the cover letter)

Describe any process operations that result in the discharge of wastewater to the sanitary sewer system, whether manufacturing or cleaning, and the amount of manufactured goods produced, using units appropriate to the product.

Average Rate of Production

	Amount
Description of Operation	Time Basis (Exact figure or
,	(Choose One) verifiable estimate)
PLATING & CLEANING	Daily
OPERATION WITH	Monthly
PLATING & CLEANING OPERATION WITH WASTE TREATMENT	Yearly 1,202,230 (199905Age)
	Daily
	Monthly
	Yearly
	Daily
	Monthly
	Yearly

(Attach additional sheets if necessary)

B.

#### SECTION III: WASTEWATER FLOW RATES

#### A. Total Wastewater Flow Rates

The following wastewater flow rates to the sanitary sewer are to be

provided by the industrial user and must be physically measured unless other verifiable methods are approved by the District for this information.
Maximum Daily Flow (Gal/Day): Report the highest daily flow expected throughout the year as a total for this facility)
Annual Daily Average Flow (Gal/Day): Report the average total facility flow expected during an average 24 hour work day.
Describe any seasonal, monthly or weekly flow variations:
N/A
Industrial Process Discharges
Briefly describe any processes which result in the discharge of wastewater to the sanitary sewer system, the type of discharge, either batch or continuous during operation, the volumes per batch and or volume per day of wastewater discharged:
Process 1 PLATING &CLEANING W/WASTE WATER TREATMENT
Discharge is: Continuous 🕱 Volume per day <u>1/200</u> (Gal)
Batch   Volume per batch (Gal) Batches per day
Process 2
Discharge is: Continuous   Volume per day(Gal)
Batch   Volume per batch (Gal) Batches per day
Please attach additional sheet if more than two processes discharge wastewater to the sanitary sewer system.

#### C. Water Use and Disposal Summary

Using the information from plant records including water and sanitary sewer bills and wastewater flow metering, indicate the water amounts used in the individual processes described in the table. Report where the water is derived from and where it is discharged.

	Water Supply		Wastewater Discharged to		
Water Used For		Water	DGSD	Other	Discharged
	Gal/Day	Source(1)	Gal/Day	Gal/Day	To(2)
Sanitary	9800	A	9800		A
Processes	4200	A	4200		A
Cooling					
Lawn Sprinkling					
Air Scrubber Unit					
Boiler					
Other (Please Describe)					
Total (Gal/Day)					

N	otes

es:
1) Enter the appropriate code letter indicating the water source used
by your facility:
<ul> <li>a) DG city water;</li> <li>(b) Westmont city water;</li> <li>(c) Maple Belmont Water</li> </ul>
d) Private well; (e) Other, please describe
2) Enter the appropriate code indicating the discharge point of wastewater:
a) DGSD sanitary sewer; (b) Storm or surface water; (c) Product;
d) Evaporation; (e) Hauled offsite for treatment or disposal; (f) Othe blease describe

D.	Environmental	<b>Permits</b>	Issued	to Facility:	[403.12(b)(2)]
----	---------------	----------------	--------	--------------	----------------

Identify all environmental permits issued to the facility:

Permitting Agency	Permit Type	Permit Number
I.E.P.A.	Air (LIFETIME)	84070020
D.G. SAN.	WATER	2
U.S.E.P.A.	SMALL QTY, HAZ. WASTE GEN.	IL Doo.50 84124
T.E.P.A.	SMALL QTY. HAZ. WASTE GEN.	0430305017

#### SECTION IV: RAW MATERIALS AND WASTEWATER CHARACTER

A.	manufacturing or other processes sewer during operations	and common names of raw materials used in the ther processes, which could be discharged to the ations or clean up. In the case of proprietary rovide the manufacturer's name:		
	Technical Name	Common Name	Manufacturer's Name	
		· · · · · · · · · · · · · · · · · · ·		
	(Please attach additiona	I sheets if necessary)		
, B.		d to the sanitary sewer	e premises? Could they r system?, If yes, please	
	☐ Antimony (114)	·	yanides (121)	
	☐ Arsenic (115)	☐ Mercur		
	☐ Beryllium (117)	Nickel      Nickel		
	☐ Cadmium (118)	☐ Seleniu	•	
	☐ Chromium (119)	⊠ Silver (		
	Copper (120)	☐ Thalliu	` '	
	☐ Lead (122)	☑ Zinc (1	28)	
	☐ Acrolein (2)	□ 2-Chlor	roethyl vinyl ether (19)	
	☐ Acrylonitrile (3)	□ 1,2-Dio	hlorobenzene (25)	
	☐ Benzene (4)	□ 1,3-Dio	chlorobenzene (26)	
	☐ Toluene (86)	□ 1,4-Dio	chlorobenzene (27)	
	☐ Ethylbenzene (38)	☐ Hexach	nloroethane (12)	
	☐ Carbon tetrachloride (6	) 🛮 Hexacl	ilorobutadiene (52)	
	☐ Chlorobenzene (7)	□ 1,2-Dio	chloropropane (32)	
	1,2-Dichlorethane (10)	·	chloropropene	
	1,1,1-Trichloroethane (	•	lene chloride (44).	
	☐ 1,1-Dichloroethane (13		22i (Arochlor 1221) (108)	
	□ 1 1-Dichloroethylene (		232 (Arochlor 1222) (100)	

□ 1,1,2-Trichloroethane (14)	☐ PCB 1248 (Arochlor 1248) (110)
□ 1,1,2,2-Tetrachloroethane (15)	☐ PCB 1260 (Arochlor 1260) (111)
☐ Chloroethane (16)	☐ PCB 1016 (Arochlor 1016) (112)
☐ Dichlorodifluoromethane (50)	☐ Endrin Aldehyde (99)
☐ Dichlorodibromomethane (51)	☐ Asbestos (116)
☑ Tetrachloroethylene (85)	☐ Methyl chloride (45)
☐ Trichloroethylene (87)	☐ Methyl bromide (46)
☐ Vinyl chloride (88)	☐ Bromoflorm (47)
☐ 2,2-Trans-Dichloroethylene (30)	☐ Dichlorobromomethane (48)
☐ Bis (chloromethyl) ether (17)	☐ Trichlorofluoromethane (49)
☐ Fluoranthene (39)	☐ 4-Nitrophenol (58)
☐ Fluorene (80)	□ 2,4-Dinitrophenol (59)
☐ Chysene (76)	☐ 4,6-Dinitro O-cresol (60)
☐ Pyrene (84)	☐ Pentachlorophenol (64)
☐ Phenanthrene (81)	☐ Anthralene
☐ Hexachlorobenzene (9)	☐ Benzo (a) anthralene
☐ 1,2,4-Trichlorobenzene (8)	☐ Benzo (b) fluoranthene
☐ Bis (2-chloroethoxy) methane (43)	☐ Benzo (k) fluoranthene (75)
☐ Naphthalene(55)	☐ Benzo (a) pyrene (73)
☐ 2-Chloronaphthalene (20)	☐ Indeno (1,2,3-cd) pyrene (83)
☐ Isophorone (54)	☐ Dibenzo (a,h) anthralene
☐ Nitrobenzene (56)	☐ Benzo (g,h,i) perylene (79)
□ 2,4-Dinitrotoluene	☐ 4-Chlorophenylphenyl ether (40)
□ 2,6-Dinitrotoluene (36)	☐ 3,3-Dichlorobenzidine (28)
☐ 4-Bromophenylphenyl ether (41)	☐ Benzidine (5)
☐ Bis (2-ethylhexyl) phthalate (66)	☐ Bis (2-chloroethyl) ether (18)
☐ D-N-octyl phthalate (69)	☐ 1,2-Diphenylhydrazine (37)
☐ Dimethyl phthalate (71)	☐ Hexachlorocyclopentadiene (53)
☐ Diethyl phthalate (70)	☐ N-Nitrosodiphenylamine (62)
☐ Di-N-butyl phthalate (68)	☐ N-Nitrosodimethylamine(61)
☐ Acenaphthylene (77)	☐ N-Nitrosodi-N-propylamine (63)
☐ Acenapthene (1)	☐ Bis (2-chloroisopropyl) ether
☐ Butyl benzyl phthalate (67)	□ p-Chloro-M-cresol
□ Phenol (65)	☐ 2-Chlorophenol (24)
☐ 2-Nitrophenol (57)	☐ 2,4-Dichlorphenol
□ Aldrin (89)	☐ 2,4,6-Trichlorphenol (21)
□ Dieldrin (90)	☐ 2,4-Dimethylphenol (34)
□ 4,4-DDE (92)	☐ Heptachlor (100)
□ 4,4-DDE (p,p-DDX)	☐ Alpha-endosulfan (95)
□ Endrin (98)	☐ Beta-endosulfan (96)
☐ Heptachior epoxide (101)	☐ Endosulfan-sulfate (97)
□ Xylenes	□ Alph-BHC (102)
☐ Toxaphene (113)	☐ Beta-BHC (103)
□ Chlordane (91)	☐ Gamma-BHC (104)

	□ PCB 4242 (Arochlor) (1242) (10 □ PCB 1254 (Arochlor) (1254) (10 □ 2,3,7,8-Tetrachlorodibenzo-p-di	07) 🗆 Alkyl epoxid	
	Are any of the following listed rethe wastewater discharged by a		
	<ul> <li>□ Mineral acids (sulfuric, hydroch and/or phosphoric</li> <li>□ Radioactive nucleotides;</li> <li>□ Wastewater containing more that</li> <li>□ Wastewater containing more that</li> <li>□ Fats oils and grease (FOG) great</li> <li>□ Wastewater having a pH lower to Strong alkaline solutions (sodiutous)</li> <li>□ Wastewater having a temperature</li> </ul>	used in any concentra an 200 mg/L biochemi an 250 mg/L total susp ter than 100 mg/L; than 5 or greater than m hydroxide, calcium	tion); cal oxygen demand; cended solids; 9; hydroxide);
C.	Pollutant Measurement [403.12	2(b)(5)(ii&viii)]	
	Attach the analytical reports for this application form. These relaboratory's name, address, armust indicate the dates and loot the specific time that grab same	eports must include to nd phone number. S cation of samples, ty	the analy scal Sample information
	Samples must be representative cover letter will set the specific of samples and the pollutant p	sampling locations,	types and number
SECTION	IV. WASTEWATER PRETRE	ATMENT SYSTEM	OPERATIONS
<b>A</b> .	Describe the pretreatment give discharge to the sanitary sewe necessary)		
	SEE EXHIBIT B	·	
B.	Does (did) the pretreatment sy	vstem have a constr	ruction permit issued
	by IEPA?	,	
	⊠ Yes	□No	☐ Not Applicable
	If yes, what is the IEPA permi	t number? <u>/984-/</u>	EB-1508

C.	Have (were) plans for the pretreatment facility been submitted and approved by the Downers Grove Sanitary District?				
	∑ Yes		No	□ Not Appl	icable
D.	Provide the names o operation of the preta are class K certified	reatment sy	•	•	
	Name: <u>FRANK MR</u> Class K certified?	<i>⊗</i> Yes	_ Title: <i>F∣wis</i> □ No	hing Super	YISOR
	Name: <i>GARY KAR</i> Class K certified?	u <i>PE</i> Di Yes	_Title: _ <i>P</i> ∠ □ No	ATER	<del></del>
	Name: <u>LARRY MC</u> Class K certified?	DANIEL 2 Yes	_ Title: <i>_P∠A</i> □ No	JT MANAGE	FR
SECTIO	N VI. PLANT DIAGRA	AM .			
bu th lin se	tach a diagram of you uilding on the premise e locations of water m les and manholes, flo ewer lines.	s. For each neters, any s or drains, pr	building prov sewage flow r ocess discha	ride a drawing the neters, sanitary rge points, and s	at shows sewer
A	Based on the inform your knowledge, is t meet the applicable	he wastewa	iter discharge	d from this facili	ty able to
	ฎ Yes □ No, remark	ks:		<u> </u>	<del></del>
В	. If not, is additional c pretreatment require				additional
	□ Yes 🛭 No, remarl	ks:			<del></del>
	If the answer to Sec part of this applicati the shortest time so pretreatment. The become attached to	on, a compl chedule for t compliance	iance schedu he user to pro schedule giv	ile or work plan, ovide such O&M en in this applica	showing and/or ation will

compliance schedule, or work plan, shall in no case provide any increment of progress exceeding six (6) months.

Not later than fourteen (14) days following each date in the schedule and the final date of compliance, the user shall submit a progress report to the District. These reports shall include at a minimum, whether or not the increment of progress was met on such date, if not, the date on which compliance is expected with the increment of progress, the reason for the delay, and what steps are being taken to return to the schedule established. In no event shall more than six (6) months elapse between progress reports to the District.

#### SECTION VIII. CERTIFICATION [403.12(B)(6)]

This application must be reviewed by a principal executive officer of the discharger as to the accuracy of the contents. If the services of a professional engineer who is familiar with the pretreatment facility were required to complete this application, their certification as a qualified professional is requested as well.

I (we) declare that I (we) have examined and are familiar with this industrial discharge permit application and certify that to the best of my (our) knowledge and belief it is true, correct, and complete.

Principal Execu	tive Officer
KALPH W. GRANDLE	PRESIDENT
Rafeli II Dam De	7-10 - 00
Signature	Date
Qualified Pro	fessional
Print Name	Title
Signature	Date

It is the responsibility of the industrial user to be aware of and in compliance with all the federal, state and local rules, regulations, laws and ordinances, as they pertain to the discharge of wastewaters generated at the user's facility.

## **Tricon Industries Schematic Process Diagram** 12.5 - 14.5% 50% 50% Sodium **Sodium** Sulfuric Hypochlorite Hydroxide Acid Anti-Siphon (4x) Pump Pump **Nickel Plating Cyanide Rinse** Rinse & Vibratory Overflow Inflow Cleaning Inflow Mixer Mixer **Cyanide Destruct PH Adjust** Treated Effluent to D.G. Sanitary **Settling Tank**

### SECTION IT PARAGRAPH C



## Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

7780 Quincy St. • Willowbrock IL 60521 • 630-734-9630 • fax 630-734-9634

Tricon Industries
Mr. Larry McDaniel
2325 Wisconsin Ave.
Downers Grove, IL 60515

#### Certificate of Laboratory Analysis

Illinois Environmental Protection Agency Certified #100186
Illinois Department of Public Health Certified # 17134

. •	umber: T2703 CHARGE PER r. 11214					Time R	eceived: eceived: uished B	
Sample No. Description:	. T2703001 001-C INSPECTION	Matrix A MANHOLE		pie Type: W posite	W	Sampled: Collected By:		000 @ 07:00:00
Analyte	*******************************	R	euk	Units	Detection Limit	Analyzed	Analyst	Method Reference
Arsenic .		LT	.05	mg/i	.05	04/20/2000	BC	SM 3114B
Cadmium		LT	,02	mg/i	0.02	04/13/2000	BC	SM 31118
Chromium	•	·	,13	mg/l	0,01	04/13/2000	BC	SM 3111B
Copper		•	,18	mg/l	0.02	04/13/2000	BC	SM 3111B
Lead			.06	mg/l	0.025	04/19/2000	BC	SM 3111B
Mercury		LT .	0005	· mg/l	0.0005	04/18/2000	BC	SM 31128
Nickei		Ľ	7 .05	· mg/l	.05	04/17/2000	BC	SM 3111B
Selenium	•	ໍ ເ	۳.05	mç/l	0.05	05/01/2000	BC	SM 3114B
Silver	÷	Ľ	T .05	mg/l	0.05	04/13/2000	BC	SM 3111B
Zinc			:07	mo/i	0.05	04/12/2000	) BC	SM 3111R

PHONE NO. : 6307349534



## Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

7780 Quincy St. • Willowbrook IL 60621 • 630-734-9630 • fax 630-734-9634

Tricon Industries
Mr. Larry McDaniel
2325 Wisconsin Ave.
Downers Grove, IL 60515

#### Certificate of Laboratory Analysis

Illinois Environmental Protection Agency Certified #100186 Illinois Department of Public Health Certified # 17134

Report Number: T2696					Report	Date	4 /12/00
Project: CYANIDE PIT Purchase Order: 11214 Notes:					Date Re Time Re Relinqu	eceived: ished 8	13:02:00 y: ETI
Sample No. T2696001	Matrix A	Same	Ne Type: V	vw s	Receive	50 By:	. K8
Description: CYANIDE PIT	· · · · · · · · · · · · · · · · · · ·	Grab	an Lypn L.	_	Collected By:	CLIENT	ſ
Analyte	Res	rust.	Units	Detection Limit	Analyzed	Analyst	Method Reference
Cyanide (total)	LT.	.01	mg/i	0,01	04/11/2000	ВС	SM 4500CnE

G. P. Lenos, Laboratory Director

This Report May Not Be Dunicated

BOAND OF TRUSTEES
Doriald E. Eckmann
President
Wailace D. Van Buren
Vice-President
George Mitchel
Clerk

### Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 630-969-0664 Fax: 630-969-0827 Lawrence C. Cox General Manager Ralph E. Smith, Jr. Operations Director Sheila K. Henschel Administrative Services Director

STAFF

LEGAL COUNSEL
Michael C. Wiedel

Providing a Better Environment for South Central DuPage County

January 16, 1998
Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

The District has recently made revisions to its Industrial Pretreatment Program, as required by USEPA. Specifically these changes were a re-evaluation of the District's ordinance limits for toxic pollutants. The old limits had been in place since 1985 and needed to be updated to reflect regulatory and operational changes.

Two copies of this permit revision are enclosed. In summary, arsenic and selenium have been added to the list of pollutants with specific local limits. All the other listed pollutant parameters have limits that were revised downward, except for silver, which remains at 0.57 mg/L.

Please review the limit changes and attach the permit revision to the complete permit. I don't believe these changes will have any impact on your operations or compliance. The new limits are enforcement limits 30 days after this notice, February 16, 1998.

Please feel free to call me if you have any questions.

Sincerely,

**DOWNERS GROVE SANITARY DISTRICT** 

Janet M. Buchner

Laboratory Services Director

and In Buchne

Enclosure

#### **DOWNERS GROVE SANITARY DISTRICT**

Discharge Permit Number 2 Issuance Date: October 15, 1995 Expiration Date: October 15, 2000 Revision Date: January 15, 1998

Permittee Name: Tricon Industries, Inc.

Permittee Address: 1600 Eisenhower Lane

Lisle, Illinois 60532

Name of Premise Permitted: Tricon Industries, Inc.

Electromechanical Division

Location of Permitted Premise: 2325 Wisconsin Avenue

Downers Grove, Illinois 60515

In accordance with the provisions of Section VI, Term of Permit, this permit is hereby revised to set the wastewater discharge limits to new values that have been approved by the District Board of Trustees. These limits replace the old limits entirely and become compliance limits 30 days from the date of this notice.

The following section is being added to the permit:

Section II(G). The total discharge flow from this facility to the sanitary sewer system shall not exceed the following specific limitations at Outfall 001-C, based on a twenty four (24) hour composite sample:

Pollutant	<u>Limit</u>	Pollutant	<u>Limit</u>
Arsenic, Total Cadmium, Total	0.52 mg/L 0.28 mg/L	Lead, Total Mercury, Total	2.15 mg/L 0.033 mg/L
Chromium, Total 2.27 Chromium, Hexavalent	14.0 mg/L 0.81 mg/L	Nickel, Total Selenium, Total	3.98 4.27 mg/L 0.43 mg/L
Copper, Total 3.38	2.54 mg/L	Silver, Total	・43 0.57 mg/L
Cyanide, Total 1, 2	1.34 mg/L	Zinc, Total	2.61 2.61 mg/L

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox, District General Manager

#### DOWNERS GROVE SANITARY DISTRICT

Discharge Permit Number 2 Issuance Date: October 15, 1995 Expiration Date: October 15, 2000 Revision Date: January 15, 1998

Permittee Name: Tricon Industries, Inc.

Permittee Address: 1600 Eisenhower Lane

Lisle, Illinois 60532

Name of Premise Permitted: Tricon Industries, Inc.

Electromechanical Division

Location of Permitted Premise: 2325 Wisconsin Avenue

Downers Grove, Illinois 60515

In accordance with the provisions of Section VI, Term of Permit, this permit is hereby revised to set the wastewater discharge limits to new values that have been approved by the District Board of Trustees. These limits replace the old limits entirely and become compliance limits 30 days from the date of this notice.

The following section is being added to the permit:

Section II(G). The total discharge flow from this facility to the sanitary sewer system shall not exceed the following specific limitations at Outfall 001-C, based on a twenty four (24) hour composite sample:

Pollutant	<u>Limit</u>	Pollutant	<u>Limit</u>
Arsenic, Total	0.52  mg/L	Lead, Total	2.15 mg/L
Cadmium, Total	0.28  mg/L	Mercury, Total	0.033 mg/L
Chromium, Total	14.0 mg/L	Nickel, Total	4.27 mg/L
Chromium, Hexavalent	0.81  mg/L	Selenium, Total	0.43 mg/L
Copper, Total	2.54 mg/L	Silver, Total	0.57 mg/L
Cyanide, Total	1.34 mg/L	Zinc, Total	2.61 mg/L

DOWNERS GROVE SANITARY DISTRICT

awrence C. Cox, District General Manager

DOWNERS GROVE SANITARY DISTRICT
Discharge Permit Number 2
Issuance Date: October 15, 1995
Expiration Date: October 15, 2000

Permittee Name: Tricon Industries, Inc.

Permittee Address: 1600 Eisenhower Lane

Lisle, Illinois 60532

Name of Premise Permitted: Tricon Industries, Inc.
Electromechanical Division

Location of Premise Permitted: 2325 Wisconsin Avenue

Downers Grove, Illinois 60515

In accordance with the provisions of Article II(A), Section 400, of the District's Sewer Use Ordinance, the above designated Permittee is hereby authorized to discharge industrial wastewater from the above facility and through the discharge lines identified herein, into the sanitary sewer system of the Downers Grove Sanitary District subject to said Permittee's compliance with applicable pretreatment standards, District ordinances, and the terms and conditions of this permit. The Permittee is not authorized to discharge wastewater to the District except by permit. Compliance with this permit does not relieve the Permittee of its obligations to comply with any and all applicable pretreatment regulations, standards or requirements under local, state, or Federal laws, including any such regulations, standards, requirements, or laws that become effective during the term of this permit.

Non compliance with any term or condition of this permit shall constitute a violation of the Downers Grove Sanitary District's Sewer Use Ordinance.

The Permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The Permittee shall submit to the District such information, forms and fees as are required in accordance with Article II(A), Section 400.105(e), as application for permit renewal, a minimum of ninety (90) days prior to the expiration date.

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox, District General Manager

#### I. Description of the Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electromechanical switches and connectors used in the production of automotive, communications and household equipment. Operations on site include a captive electroplating operation and associated cleaning and finishing operations. These process operations are governed by the federal categorical regulations for the Metal Finishing Industry, 40 CFR Part 433.

Rinsewater from the plating and finishing areas are pretreated, prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorination treatment for cyanide destruction, and final pH adjustment.

While solids are collected in a settling basin, no treatment is provided for dissolved or complexed metals. Therefore, plating solutions and the concentrated rinsewaters are prohibited from discharge to this system, whether by accidental or deliberate means.

The wastewater discharged from this facility consists of: 1) Process wastewater, estimated at 6,500 gallons dails, and 2) sanitary wastewater, estimated at 3,500 gallons per day.

The point of discharge to the District's sanitary sewer system is at District Manhole Number II-A-54. Three sampling points are identified in this permit:

001-A This point is in the plating/finishing department, at the inspection tank, and represents the pretreated plating/finishing rinsewater flow. This sampling point will be used for all menitoring to establish compliance with the limits on metal and TTO parameters cited in Sections II(A) and (B).

001-B This point is at the cyanide destruction pit in the plating area. This point shall be used to collect the cyanide grab samples to determine compliance with the cyanide limit cited in Section II(A).

001-C This is the inspection manhole in front of the building. This point will be used to monitor compliance with the District's specific local limits as described in the Ordinance.

#### II. Discharge Limitations

A. During the effective period of this permit, the discharge flow from the electroplating operation shall not exceed an average daily flow of 8,500 gallons per day, and shall not exceed the following limitations:

Pollutant	Maximum Daily Concentration (mg/L)	Maximum Monthly Average (mg/L)
Cadmium, total	0.11	0.07
Chromium, total	2.77	1.71
Copper, total	3.38	2.07
Lead, total	0.69	0.43
Nickel, total	3.98	2.38
Silver, total	0.43	0.24
Zinc, total	2.61	1.48
Cyanide, (A)	0.86	0.32
Cyanide, (T)	1.2	0.65
Hq	6.0 - 9.0	6.0 - 9.0

B. Total toxic organics (TTO) are defined as the summation of all quantifiable values greater than 0.01 mg/L for the specified organics in the Metal Finishing regulation, 40 CFR Part 433. The TTO limit is specified as:

Pollutant	Daily Maximum	Maximum Monthly Average
TTO	2.13 mg/L	-

- C. Plating solutions and any chemical sludge produced in the electroplating or finishing departments, or by the pretreatment system, shall not be discharged to the District's system, but shall be disposed of in an approved landfill or by other approved methods.
- D. All discharges from this facility shall be in compliance with the ordinances of the District, the Statues of the State of Illinois, and the regulations of the U.S. Environmental Protection Agency, and the Illinois Environmental Protection Agency.
- E. The discharge from this facility shall not produce any adverse effects on the District sanitary sewer service that would endanger private or public property, the public health, the integrity of the receiving stream, the District's collection system, and/or the treatment processes of the District Wastewater Treatment Center.

#### III. Self-Monitoring and Reporting Requirements

The Permittee shall sample and analyze wastewater at the specific locations and for the parameters, frequencies and sample types specified herein:

Parameter	Location	Frequency	Sample Type
Flow	Plating/Finishing water meters	Daily Total	-
рН	001-A	3 Days/Month	One Grab Sample
Copper (T) Nickel (T) Silver (T) Zinc (T)	001-A 	3 Days/Month " " " "	One manual composite

3 Days/Month\* One Grab Sample Cyanide (T) 001-B \* Cyanide samples shall be collected only when cyanide batches have been treated, as they are discharged.

All samples shall be properly preserved at the time of collection and shall be representative of the volume and nature of the discharge.

- The Permittee shall report of the above analyses to the District, on a quarterly basis. These quarterly self-monitoring reports shall be submitted by the twentieth day of the month following the calendar quarter, (i.e., April, July, October. January) and shall include the analytical results and measurements above, as well as the following information:
  - The volume of chemical solutions and sludges disposed of during the reporting period, the name of the hauler and the ultimate destination of the waste;
  - A description of any spills of materials which are prohibited from discharge to the sanitary sewer system, including any of the materials covered by the industrial spill prevention, containment and control (SPCC) plan. If no spills occurred, the following certification statement will be included in the report:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics, I certify that to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- **1**(3) The report shall be signed by an Authorized Representative of the permitted industrial user, or a duly authorized agent and shall include the following certification statement:
  - "I have personally examined and am familiar with the information submitted in the attached document and I hereby certify under penalty of law, that this information was obtained in accordance with the requirements of 403.12(e). Moreover, based upon my inquiry of those individuals immediately responsible for obtaining the information herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of imprisonment."
- When analyses are reported from an outside laboratory, the name, address and telephone number for the lab shall be included in the report.
- If the Permittee analyzes parameters listed in Sections II(A) and (B), at a frequency greater that that specified in Section III(A), the Permittee shall report these results in addition to those required in Section III(A).
- The Permittee shall notify the District within 24 hours of when they receive notice that a sample has exceeded a permit limit for any of the parameters listed in Section II(A) and (B). The discharge in question shall be resampled within a reasonable length of time, not to exceed 30 days from the date of the violation.
- E. Every six months, the Permittee shall collect one manual composite sample at sampling location 001-A, the pretreated, plating/finishing department wastewater discharge. It shall be collected over a normal operational day and analyzed for all the metals parameters listed in Section II(A). Cyanide shall be reported on one grab sample, collected at the cyanide destruction pit, 001-B. The results shall be submitted with the next regular self-monitoring report. These samples shall be representative of the volume and nature of the discharge.
- The permittee shall notify the District immediately, by telephone, upon any accidental or slug discharge to the District's The permittee shall follow up with a written report within five (5) days of the incident, fully describing what occurred, who was notified, how the spill was cleaned up and disposed of and what measures will be taken to prevent a reoccurrence. By ordinance, a slug is defined for a permit limited pollutant as a concentration five times or more the stated limit, or a pollutant at a concentration which either interferes with the treatment system or passes through to the receiving stream.

- On request by the District, the Permittee shall provide the District with splits on samples collected by the Permittee for elf monitoring purposes.
- When a compliance schedule has been included as part of the permit, or amended to it, a Pretreatment Compliance Schedule Progress Report shall be submitted to the District no late than fourteen (14) days after the scheduled date for each increment of progress. At a minimum, these reports shall include whether the increment of progress has been complied with, and if not, the date which the permittee expects to comply with the increment of progress, and the steps being taken to return to the established schedule.
- I. All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with other test procedures approved by the USEPA Administrator. Sampling shall be performed in accordance with the techniques approved by the USEPA Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any sampling and analytical procedures approved by the USEPA Administrator.

#### Permit Compliance IV.

- A... The permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, subparagraphs (A) through (E).
- In the event the Permittee does not comply with the conditions of this permit, the District General Manager shall notify the Permittee in writing of the specific violation of this permit. The Permittee shall be given ten (10) working days from the receipt of aforementioned notification to respond to the District in writing, detailing steps taken or to be taken by the Permittee to prevent a reoccurrence of the cited violation. In the event the District General Manager determines that the Permittee's action will not prevent a reoccurrence of a violation of this permit, the General Manager will notify the Permittee in writing of the measures and/or devices that the Permittee must institute to comply with the conditions of this permit and the time period in which said measures and/or devices must be implemented. The above provisions are in addition to, not in lieu of any other enforcement remedies available to the District.

- The permit shall be revoked due to any falsification or intentional misrepresentation by the permittee of any data or information required under this permit.
- Penalties for failure to comply with the terms and conditions of this permit, or orders issued hereunder, shall include fines of at least \$100, but no more than \$1000 per day, per violation. The District may seek to recover court costs, costs of monitoring and analyses caused by such violations and the costs of any actual damage incurred by the District.

#### V. General Conditions

- A. All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from this facility is expected to materially and substantially change, the Permittee shall give a thirty (30) day notice in writing to the District and shall make new application to the District prior to said change. The Permittee shall not materially or substantially change the type, quality or volume of its wastewaters beyond that allowed by this permit, without prior approval with the District.
- The Permittee shall allow representatives of the Downers Grove Sanitary District, upon presentation of credentials, ready access at all reasonable times to all parts of the Permittee's premises for the purposes of inspection, sampling, records examination, or other tasks necessary to monitor and insure compliance by the Permittee with the terms and conditions of this permit. The Permittee hereby licenses the District the right to use the existing roadway, parking lot and surface areas of the Permittee's facility for the purpose of collecting samples and making inspections of the wastewater discharges to the District's system.
- C. All monitoring reports required under this permit will be available for public inspection at District offices.
- The Permittee shall retain for a minimum of three (3) years and afford the District access to any and all records of monitoring activities and results related to wastewater discharges from the subject facility.
- This permit is issued to the named Permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.
- F. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal or local laws.
- In the event a court of competent jurisdiction determines that any portion of this permit is invalid, such a determination shall not affect the validity of the remaining portions of this permit.

#### VI. Term of Permit

The term of this permit shall be from the issuance date of this permit to the stated expiration date. Provided, however, that the permit is contingent upon the issuance of an NPDES Permit to the District. provided further, that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit, prior to its anticipated expiration date, the District may amend this permit upon thirty (30) days written notice to the Permittee.

#### REPORTING REQUIREMENT SUMMARY

#### Item

#### Due at DGSD

- 1. Quarterly Self-Monitoring Reports
- By the twentieth day of the month following the calendar quarter (i.e., April, July, October and January)
- 2. Permit Excursion Notice
- Within 24 hours of your notice of a result exceeding a permit limit, call the District to give notice. Contact Jan Buchner or Ralph Smith, or leave a message specifically describing the message as a permit excursion notice.
- 3. Spill or Slug Discharge Reports

Notify the District's Laboratory Director, Janet Buchner or Operations Director, Ralph Smith by telephone as soon as possible after the spill or slug discharge is discovered. written report must be susmitted to and received by the DGSD within five calendar days of the telephone notification

4. Compliance Reports

- Submitted within 14 calendar days after the scheduled completion of an increment of progress listed in the compliance schedule.
- 5. Process or Flow Changes
- Submitted to and received by the DGSD within 30 calendar days prior to any changes at which time re-application shall be made for the Industrial Discharge Permit.
- 6. Permit Renewal Application
- Submitted to and received by the DGSD 90 days in advance of current permit expiration.
- All reports should be mailed to

Janet Buchner Laboratory Services Director DOWNERS GROVE SANITARY DISTRICT 2710 Curtiss Street Downers Grove, Illinois 60515

#### DGSD Telephone Contacts

Mon-Fri, 8:00 a.m. - 4:00 p.m.....969-0664....Laboratory Services Director

During non-business hours, weekends and holidays, call the same number, 969-0664 and leave a message with the answering service for the person on call.

t BOARD OF TRUSTEES

Donald E. Eckmann
President

Herbert R. Reich
Vice-President

Wallace D. Van Buren

### Downers Grove Sanitary District

2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 Phone: 708-969-0664 Fax: 708-969-0827

Providing a Better Environment for South Central DuPage County STAFF

Lawrence C. Cox
General Manager

Ralph E. Smith, Jr.
Operations Director

Shella K. Henschel

Shella K. Hensche Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

April 13, 1995

Larry McDaniel
Plant Superintendent
Tricon Industries, Inc.
2325 Wisconsin
Downers Grove, Illinois 60515

Dear Mr. McDaniel:

Enclosed is an Industrial Wastewater Discharge Permit Application. The current permit issued to Tricon Industries Inc. will expire October 15, 1995. The District's ordinance requires that application for a permit renewal be made no later than 90 days prior to the permit's expiration date, which means this application should be submitted no later than July 15, 1995.

Please note that the only monitoring required for the application is from the inspection manhole located at the front of the building, which is designated as sampling point 001-C in the current permit. We are asking for the monitoring to be done on the total plant flow to determine compliance with the District's local ordinance limits. We have the self monitoring data from your reports to indicate the compliance status in regards to the categorical standards.

If you have any questions, please feel free to call me.

Sincerely,
DOWNERS GROVE SANITARY DISTRICT

Janet M. Buchner

Laboratory Services Director

land the Bushin

Enclosures

## DOWNERS GROVE SANITARY DISTRICT INDUSTRIAL DISCHARGE PERMIT APPLICATION/BASELINE REPORT [40 CFR PART 403 12(b)(1-7)]

Who should complete this application?

Users identified as being Significant Industrial Users (SIU) according to the definition of an SIU in the District's Sewer Use Ordinance:

- a user with a process flow of 25,000 gallons or more, per average work day;
- 2. a discharge flow greater than 1 percent of the flow in the District's wastewater treatment system;
- 3. a user that has in its wastewater incompatible pollutants as defined pursuant to Section 307 of the Clean Water Act, State Statutes, or applicable federal or state rules and regulations;
- 4. any user found by the District, IEPA or USEPA to have significant impact, either singly or in combination with contributing industries, on the wastewater treatment system, the quality of sludge, the system's effluent quality, or air emissions generated by the system;
- 5. a user subject to any National Categorical Pretreatment Standard.

Where and when must this application be submitted?

The application must be submitted in a completed form to the District offices, 2710 Curtiss Street, Downers Grove, Illinois 60515. The due date for new users is <u>90 calendar days prior to initial discharge</u>. For permit renewal the application is due <u>90 calendar days from the date of the cover letter</u>, unless a different date is required in the cover letter.

Citations following headings in this application refer to the appropriate section and paragraph in the General Pretreatment Regulations for Existing and New Sources, 40 CFR Part 403.12 (b) (1-7), (published in the January 28, 1981 Federal Register) and any amendments to these regulations.

## DOWNERS GROVE SANITARY DISTRICT Application for Industrial Discharge Permit

SEC	TION I. Identifying Information [403.12 (b)(1)]
Α.	Facility Name: TRICON INdustries
В.	Business Address
	Street: 1600 Eisenhower LANE City: Liste State: IL.
C.	Location of Permitted Discharge
	Street: 2325 WISCONSIN AVE. City: Downers GROVE State: IL.
D.	Name of person completing this application:
	Name: LARRY McDANiel Title: Plant Supt. Phone: 28-964-23
Ε.	Organization of Business: (sole proprietorship, partnership, or corporation)
	<ol> <li>If sole proprietorship, give the name of owner and assumed name, if different than answer to I(A) above.</li> </ol>
	2. If partnership, give names of general partners and assumed name if different from I(A) above.
	3. If corporation, give state in which incorporated, and the name and address of registered agent.
	State: <u>Delaware</u> Agent Name: <u>PRENTICE HALL INC.</u>
	Agent's Address: 375 Hudson 57: NY, NY 10014
F.	Number of Employees: 380 (average annual number of employees at permitted facility, all shifts)
G.	Average Annual Days Per Week of Operation: 6 (approximate annual average, including process and clean up schedules)
Н.	Time and Duration of Discharge to Sanitary Sewer:
	Discharge occurs from
	Circle the Days of the week discharge occurs: S (9) (6) (6) (6) (5)

# Section IIA Schematic PROCESS diAGRAM EXHIBIT A

TRICON INDUSTRIES 50% 20 % HYDRO-Sodium Sodium HYPO-CHLORIC HydRoxide CHLORITE Acid ORP PH OVER FLOW RINS= INFI CYANIDE RINSE IMFLOW OUERFLOW CYANIGE PH AdjusT DESTRUCT TREATED EFFLUENT TO D.G. SANITARY SETTLING TANK

I.	List Standard Industrial Cod (If more than one applies, 1		
	3089 ; 3678	: 3679	; 3613 <u> </u>
SEC	CTION II. <u>Production Data [40</u> (complete only if r		letter)
Α.	Describe any process operati wastewater to the sanitary s each process expressed as an	ewer system and	the production rate for
		Averag	e Rate of Production
		Basis	Amount (exact figure or
	peration Description	(Choose One)	verifiable estimate)
	ATING OPERATION	Daily	
Wil	TH WASTE TREATMENT		
		<u>Monthly</u>	
		Yearly	1,816,000 gas.
		Daily	
		<u>Monthly</u>	
		Yearly	
		Daily	
		Monthly	
		Yearly	
(At	ttach additional sheets if nec	essary)	
В.	Schematic Process Diagram [4	03.12 (b)(3)]	
	Provide a schematic diagram discharge of wastewater to t		

### SECTION III. Wastewater flow rates [403.12 (b)(4)(i &ii)]

Α.	The following wastewater floprovided by the Industrial Cother verifiable methods are information.	Jser	and mus	t be phy	zsica	lly measu	red unless
	Maximum Daily Flow (Gals/Day expected throughout the	y): ne ye	(report ar as a	the last	rgest for t	daily fl he facili	ow ty)
			15	000		(Gals/	Day)
	Annual Daily Average Flow (Control of the during a 24 hour period)						y flow
			10,	000	<del></del>	(Gals/	Day)
	Describe any seasonal, mont					ations:	
в.	Industrial Process Discharge						
				41 4		# 31 ~ - h ~ w	
	wastewater to the sanitary statch or continuous during of volume per day of wastewater Process 1: PLATING C	pera dis	tion, the charged	he volur	nes p	er batch	ge, either and/or
	batch or continuous during of volume per day of wastewater  Process 1: PLATING CONTINUES TREATMENT	opera dis	tion, the charged	he volur ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	mes p W4s7	er batch	and/or 
	batch or continuous during of volume per day of wastewater Process 1: PLATING C	opera dis	tion, the charged	he volur ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	mes p W4s7	er batch	and/or 
	batch or continuous during of volume per day of wastewater  Process 1: PLATING CONTINUES TREATMENT	opera dis Per	tion, the charged to	ne volur . ω <sub>ι</sub> τ <sub>h</sub> . per day	mes p w4s7	er batch warek	and/orGallons
	batch or continuous during of volume per day of wastewater  Process 1: PLATING OF TREATMENT  Discharge is: Continuous (	opera dis Per	tion, the charged to	ne volur . ω <sub>ι</sub> τ <sub>h</sub> . per day	mes p w4s7	er batch warek	and/orGallons
	batch or continuous during of volume per day of wastewater  Process 1: PLATING CONTINUOUS (  Batch ( ) Volume per Ba	opera dis Per	tion, the charged to	ne volur . ω <sub>ι</sub> τ <sub>h</sub> . per day	mes p w4s7	er batch warek	and/orGallons
	batch or continuous during of volume per day of wastewater  Process 1: PLATING CONTINUOUS (  Batch ( ) Volume per Ba	ppera dis Pera (X)	tion, the charged	he volur مرته per day _Gallons	nes p	er batch  * WATER  6500  Batches/	and/orGallons Day
	batch or continuous during of volume per day of wastewater  Process 1: PLATING CONTINUOUS (  TRESTMENT  Discharge is: Continuous (  Batch ( ) Volume per Batch  Process 2:	ppera dis Pera (X)	Volume	per day	nes p w4s7	er batch  *WATER  6500  Batches/	and/or Gallons DayGallons
	batch or continuous during of volume per day of wastewater Process 1:  PLATING CONTINUOUS (Discharge is: Continuous (Disch	c dis	Volume	per day  per day  Gallons	nes p	er batch  * WATER  6500  Batches/	and/orGallons DayGallons Day
	batch or continuous during of volume per day of wastewater Process 1:  PLATING CONTINUOUS (CONTINUOUS	ppera dis pera (X) atch	Volume	per day  Gallons  Gallons	nes p  W.4s7	er batch  * WATER  6500  Batches/	and/orGallons DayGallons Day
	batch or continuous during of volume per day of wastewater Process 1:  PLATING CONTINUOUS (Discharge is: Continuous (Disch	opera dis Pera (X) atch	Volume	per day  Gallons  Gallons	nes p	er batch  * WATER  6500  Batches/	and/or Gallons DayGallons

C. Using the information from plant records, flow metering, water and sanitary sewer bills, show where the water used in the individual processes listed below comes from and is discharged to. Report the information in gallons per day. The final total of water used and discharged should equal zero.

Processes . 6395 . A . 6395 . N/A .  Cooling	To(2)  A  A
Sanitary . 3383 . A . 3383 . N/A .	A A
Processes . 6395 . A . 6395 . N/A .  Cooling	A
Cooling	A
Lawn Sprinkling	
Scrubber Water Air Pollution Control	
Air Pollution Control	
Boiler	
Other (Please describe)	
Total (Gals/Day)	
TOTAL (Gals/Day)	<del></del>
<ul> <li>(2) Enter the appropriate code indicating discharge point:         <ul> <li>(a) DGSD sanitary sewer;</li> <li>(b) storm or surface water;</li> <li>(c) product;</li> <li>(d) evaporation;</li> <li>(e) hauled by wastewater h</li> <li>(f) other (please describe)</li> </ul> </li> </ul>	auler
D. Environmental Permits [403.12 (b)(2)] Identify all permits held this facility:	 bу
	ber
Permitting Agency Permit Type Permit Num	
Permitting Agency Permit Type Permit Num  TEPA AIR 84070020	<u> </u>
	<u>,                                      </u>
I E P A 18 84070020	

#### SECTION IV. Raw Materials and Chemicals

A. Give technical and common names of raw materials and chemicals that are used in the manufacturing or other processes, that could be discharged to the sanitary sewer. In the case of proprietary compounds, provide the manufacturer's name.

Information for this section can be taken from self-monitoring data, material safety data sheets (MSDS), suppliers of materials, raw material labels and various trade organizations.

Technical Name	Common	Name	Manufacturer's Name
(Please attach any	, additional inf	formation on a	a separate sheet)
	r dischrage to t	he sanitary s e boxes.	premises, therefore sewer? If yes, please ethyl vinyl ether (19)
Acrylonitrile (3)Benzene (4)Toluene (86)Ethylbenzene (38)Carbon tetrachlorChlorobenzene (7)1,2-Dichloroethar1,1-Trichloroethar1,1-Dichloroethar1,1-Dichlorethyle1,2-Trichlorethyle1,1,2-TrichlorethyleChloroethane (16)DichlorodifluoromDichloro-dibromomTetrachloroethyleTrichlorethyleneVinyl Chloride (8)SichloromethyleFluorene (80)(76)	ride (6)  he (10) thane (11) he (13) ene (39) hane (14) broethane (15) hethane (50) methane (51) ene (85) (87) 88) roethylene (30) hether (17)	1,2-Dichi 1,3-Dichi 1,4-Dichi Hexachlor Hexachlor 1,2-Dichi 1,3-Dichi Methylene Methyl ch Methyl ch Methyl br Bromoforr Dichlorol Trichlorol 4-Nitropl 2,4-Dini 4,6-Dini Pentachlor Anthraler Benzo (A Benzo (A Benzo (A Indeno (	lorobenzene (25) lorobenzene (26) lorobenzene (27) roethane (12) robutadiene (52) loropropane (32) loropropene e chloride (44) hloride (45) romide (46) m (47) bromomethane (48) ofuoromethane (49) henol (58) trophenol (59) tro O-cresol (60) orophenol (64)

```
Benzo (G,H,I) perylene (79)
      Phenanthrene (81)
                                            4-Chlorophenylphenyl ether (40)
      Hexachlorobenzene (9)
                                          __3,3-Dichlorobenzidine (28)
     1,2,4-Trichlorobenzene (8)
                                          __Benzidine (5)
    ____Bis(2-chloroethoxyl)methane(43)
      Naphthalene (55)
                                          Bis (2-chloroethyl) ether (18)
     _2-Chloronaphthalene (20)
                                         ___1,2-Diphenylhydrazine (37)
                                            Hexachlorocyclopentadiene (53)
     _Isophorone (54)
     __Nitrobenzene (56)
                                            N-Nitrosodiphenylamine (62)
                                            N-Nitrosodimethylamine (61)
    ___2,4-Dinitrotoluene
                                            N-Nitrosodi-N-propylamine (63)
     2,6-Dinitrotoluene (36)
                                          Bis(2-chloroisopropyl)ether
     __4-Bromophenylphenylether (41)
                                          ___p-Chloro-M-cresol
      Bis(2-ethylhexyl) phthalate (66)
                                         ___2-Chlorophenol (24)
     __Di-N-octyl phthalate (69)
    ___Dimethyl phthalate (71)
                                           __2,4-Dichlorophenol
   ___Diethyl phthalate (70)
___Di-N-Butyl phthalate (68)
                                          __2,4,6-Trichlorophenol (21)
                                            2,4-Dimethylphenol (34)
    ___Acenaphthylene (77)
                                            Heptachlor (100)
    ___Acenapthene (1)
                                            Alpha-endosulfan (95)
                                            Beta-endosulfan (96)
    Butyl Benzyl phthalate (67)
     __Phenol (65)
                                            Endosulfan-sulfate (97)
                                            Alpha-BHC (102)
     2-Nitrophenol (57)
                                         ____Beta-BHC (103)
     __Aldrin (89)
     __Dieldrin (90)
                                            Gamma-BHC (104)
                                          ___Delta-BHC (105)
    ___4,4-DDE (92)
     _4,4-DDE (p,p-DDX)
                                          ___Antimony (114)
                                          Arsenic (115)
     _Endrin (98)
      _Heptachlor epoxide (101)
                                            Beryllium (117)

∠ Cadmium (118)

      _Xylenes
      Toxaphene (113)
                                         Chromium (119)
     _Chlordane (91)
                                         _PCB-4242 (Arochlor 1242) (106)
                                         _PCB-1254 (Arochlor 1254) (107)
                                         ✓ Total cyanides (121)
     __PBB-1221 (Arochlor 1221) (108)
                                         ___Mercury (123)
      _PCB-1232 (Arochlor 1232) (109)

✓ Nickel (124)

      _PCB-1248 (Arochlor 1248) (110)
                                            Selenium (125)
                                         Silver (126)
     _PCB-1260 (Arochlor 1260) (111)
     _PCB-1016 (Arochlor 1016) (112)
                                            Thallium (127)
     Endrin Aldehyde (99)

√Zinc (128)

    ___Asbestos (116)
                                           _Alkyl Epoxides
    ___2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) (129)
      Are any of the following materials or conditions charateristic of the
wastewater discharge by any process in the facility?
      Mineral Acids (sulfuric, hydrochloric, nitric, hydroflucric,
       chromic and/or phosphoric in any concentration)
     __Radioactive nucleotides
    ___BOD greater than 200 mg/L
    Total suspended solids greater than 250 mg/L Fats, oils and grease greater than 100 mg/L
     __pH less than 5 or greater than 9
      Strong alkaline solutions (sodium hydroxide, calcium hydroxide)
    Temperatures greater than 157 degrees F or 65 degrees C.
```

#### C. Pollutant Measurement [403.12 (b)(5 ii & viii)

Attach analytical laboratory reports for the samples and parameters listed in the application below. These reports must include the analytical laboratory's name, address, telephone number, sampling dates, sample types (i.e., composite, grab, automatic or manual composite, etc.,), a description of the sampling location and identity of the parameters with units of measurement.

Facility: TRICON INDUSTRIES, INC.
2325 Wisconsin, Downers Grove, Illinois 60515

Sampling Point	Sample Type	Number of Samples	<u>Parameters</u>
001-C (1)	24 hour composite	one	Cadmium T Chromium T Copper T Lead T Manganese T Mercury T Molybdenum T Nickel T Silver T Zinc T
001-C	Grab	one During composite sampling period	Total Cyanide

(1) 001-C is the manhole at the front of the building, where the total plant flow can be evaluated.

Samples shall be representative of the flow and shall be preserved at the time of collection.

#### SECTION V. Process Wastewater Pretreatment System Operations

A. Describe the pretreatment given to process wastewaters prior to discharge to the sanitary sewer system. (Attach additional pages if necessary)

See AT	TACHMENT		 

- B. Does the pretreatment facility have a construction permit issued by IEPA?
  - No () Yes (X)
    If yes, what is the IEPA permit number? 1984-E8-1508.
- C. Have plans for the pretreatment facility been submitted and approved by the Downers Grove Sanitary District? No ( ) Yes  $(\chi)$  N/A ( )

Process Wastewater Pretreatment Systems Operations Section V. Part A.

5/3/95

Tricon is a manufacturer of electromechanical switches and connectors. As part of the processes we employ, plating of gold, silver, copper and nickel, it is these that require waste water treatment.

Domestic waste water is discharged directly to the Downers Grove sanitary system.

Rinse waters from the plating operations are treated and discharged in a continuous treatment method as follows:

1) Rinse waters from the cyanide plating baths are discharged, by gravity, into the 1st pit. This pit contains pH controller with sensor and set points of 10.0 - 11.6. An ORP controller with sensor and set points of 562 and 658. The pit is also equipped with a mixer and two (2) pumps with backflow preventers, to add Sodium Hypochlorite and Sodium Hydroxide at the correct times as determined by the pH and ORP controllers. Cyanide is reduced to cyanate through oxidation with the use of Sodium Hypochlorite. Sodium Hydroxide is used to control pH.

To verify sufficient free chlorine levels are maintained, on a daily basis, starch paper is used by comparing developed colors with a chart. Three (3) samples per month are taken and analyzed by an outside laboratory and D.G. Sanitary District. Average levels of cyanide are < .02 mg/L. This effluent overflows to the 2nd pit.

- 2) Rinse waters from the non-cyanide plating baths are discharged, by gravity, into the 2nd pit. Pit #2 contains a pH controller with sensor and set points of 6.0 9.0, a mixer and two (2) pumps with backflow preventers, to add Sodium Hydroxide and Hydorchloric Acid at the correct times as determined by the pH controller. Some precipitation occurs. Effluent from this pit overflows to the settling pit.
- 3) Settling occurs and effluent is discharged to the D.G. sanitation system. Sludge is removed every two (2) or three (3) years or as determined by measuring its depth. The pits are cleaned and sludge is analyzed, manifested and disposed of in accordance with all state and federal regulations.

D.	Provide the names of personnel who operate and/or supervise the operation of the pretreatment system, their job title and indicate if they are IEPA Class K certified operators.			
	Name: FRANK MRocZKA Title: PLATING Supervisor Class K certified? Yes(X) No ( )			
	Name: <u>GARY KAUPie</u> Title: <u>PLATER</u> Class K certified? Yes(X) No ( )			
	Name: LARRY MCDANIEL Title: PLANT Supr. Class K certified? Yes(X) No ()			
SEC'	FION VI. Plant Layout Diagram			
which san	Attach a diagram of your facility's property, indicating the location each building on the premises. For each building, provide a drawing ch shows the locations of water meters, any sewage flow meters, itary sewer lines and manholes, floor drains, process discharge points, rm sewer lines and manholes and streets.			
SEC'	FION VII. Statement of Compliance [403.12(b)(7)]			
Α.	Based on the information in this permit application, and to the best of your knowledge, is the wastewater discharged from this facility able to meet the applicable pretreatment standards on a consistent basis?			
	Yes (X) No ( ), Remarks:			
В.	If not, is additional operation and maintenance (O&M) and/or additional pretreatment of the wastewater required to meet the applicable standards?			
	Yes ( ) No ( ), Remarks:			
C.	If the answer to Section VII B above is yes, the Industrial User must submit as part of this application, a compliance schedule or work plan showing the shortest schedule for the User to provide such O &M and/or pretreatment. The compliance schedule given in this application will become attached to and part of the Industrial Discharge Permit. The compliance schedule, or work plan, shall in no case provide for any increment of progress exceeding six (6) months.			

Not later than fourteen (14) days following each date in the schedule and the final date of compliance, the User shall submit a progress report to the District including, as a minimum, whether or not it complied with the increment of progress to be met on such date, if not, the date on which it expects to comply with this increment of progress, the reason for the delay, and the steps taken by the User to return construction to the schedule established. In no event shall more than six (8) months elapse between progress reports to the District.

#### SECTION VIII. Certification [403.12(b)(6)]

This application must be reviewed and certified by a principal executive officer of the discharger as to the accuracy of the contents. If the services of a professional engineer who is familiar with the pretreatment facility were required to in completing this application, their certification as a qualified professional is requested as well.

I (we) declare that I (we) have examined and are familiar with this Industrial Discharge Permit Application and certify that to the best of my (our) knowledge and belief, it is true, correct and complete.

Principal Execut	ive Officer
KALPH W. GRANDLE	EXEC. U.P.
Print Name	Title
Kuplus I Samble	5-24-95
Signature	Date
Qualified Prof	essional
Print Name	Title
Signature	Date

It is the responsibility of the Industrial User to be aware of and in compliance with all federal, state and local rules, regulations, laws and ordinances, as they pertain to the discharge of wastewaters generated at the User's facility.



# Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

319 OGDEN AVENUE DOWNERS GROVE, IL 60515-3142 (708) 963-4672

FAX # (708) 963-4685

IEPA 100186

#### CERTIFIED LABORATORY REPORT

IDPH 17134

Tricon Industries Mr. Larry McDaniel 2325 Wisconsin Ave. Downers Grove, IL 60515

June 06, 1995 Received: 05-22-95 Completed: 06-05-95

P.O. \$:47506

Lab No.

## Sample Identification

N4538	Grab 001-C	05-22-95 12:40PM	
N4539	Comp 001-C	05-22-95	

Test Parameter	N4538	N4539	
Cyanide (total)	LT .01	· · · · · · · · · · · · · · · · · · ·	
Cadmium		LT .02	
Chromium		LT .05	
Copper		.18	
Lead		LT .025	
Nickel		.16	
Silver		LT .05	
Zinc		LT .05	
Manganese		LT .025	
Mercury		LT .0005	
Molybdenum		LT .25	

LT means Less Than

All results are total and in ppm(mg/l) unless otherwise noted; 1ppm = 1000ppb. Approved for the examination of water, dairy, chemical, microbiological and container testing by the ILDPH and ILEPA.

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete and accurate.

Laboratory Director



# TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

July 18, 1990

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60516-1412

Susan Grandle

Dear Ms. Lacina:

Please find enclosed the completed Industrial Discharge Permit Application. Also enclosed are the drawings which the application requires.

If you should have any questions regarding our application, please do not hesitate to contact me.

Sincerely,

Ms. Susan Grandle

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664

DuPage County

Providing a Better Environment for South Central

April 24, 1990

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Susan Grandle Human Resources Manager Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Dear Ms. Grandle:

The industrial wastewater discharge permit issued to Tricon in 1985 is scheduled to expire in October 1990. A permit application form is enclosed with this letter, which must be completed and submitted to the District to initiate the permit renewal process.

Where drawings or schematics are requested, if information has been previously submitted and no changes have been made since the original submission, indicate that on the application to avoid duplications.

The form is self explanatory for the most part but please feel free to call me if you have any questions.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML/jml Enclosure

# DOWNERS GROVE SANITARY DISTRICT INDUSTRIAL DISCHARGE PERMIT APPLICATION/BASELINE REPORT [40 CFR Part 403.12(b)(1-7)]

Who should submit this Application/Report?

Users identified as being Significant Industrial Users according to the definition of an SIU in the District's Sewer Use Ordinance:

- 1. a user with a discharge flow of 50,000 gallons or more, per average work day,
- 2. a discharge flow greater than one percent of the flow in the District's wastewater treatment system,
- 3. has in its wastewater incompatible pollutants as defined pursuant to Section 307 of the Clean Water Act, State Statutes, or applicable federal or state rules and regulations,
- is found by the District, IEPA, or USEPA to have significant impact, either singly, or in combination with contributing industries, on the wastewater treatment system, the quality of sludge, the system's effluent quality, or air emissions generated by the system,
- 5. is subject to any National Categorical Pretreatment Standard.

When is this Application/Report due?

The completed form must be submitted to the District within ninety (90) days from the date of the cover letter which accompanied this Application/Report.

Citations following headings in this Application/Baseline Report refer to the appropriate section and paragraph in 40 CFR Part 403.12 (b) (1-7) of the General Pretreatment Regulations for New and Existing Sources (January 28, 1981 Federal Register) and the amendments to these regulations.

# DOWNERS GROVE SANITARY DISTRICT Application for Industrial Discharge Permit

SECTION I. <u>Identifying Information</u> [403.12(b)(1)]
A. Facility Name:Tricon Ind.
B. Business Address
Street: 2325 Wisconsin Ave. City: Downers Grove State: 11.
C. Location of Permitted Discharge
Street: same City: State:
D. The name of the person completing this application:  Human  Name: Susan Grandle Title: Resource Manager Phone: (708) 964-22
E. Organization of Business: (sole proprietorship, partnership, or corporation)
1. If sole proprietorship, give name of owner and assumed name, if different than answer to IA above.
2. If partnership, give names of general partners and assumed name, if different than answer to IA above.
3. If corporation, give state in which incorporated, and the name an address of registered agent. Statutory Agent
Delaware; Prentice Hall Corporate Services P.O. Box 102670 Atlanta, GA 30368
F. Number of Employees: (average annual number of employees at permitted facility, all shifts)
300 Employees for three (3) shifts
G. Schedule of Operation: (state as an approximate annual average, include process operations and clean-up schedules)
Aveverage annual days per week of operation: 5-1/2
H. Time and duration of discharge to sanitary sewer: (state as an approximate annual average)
Discharge occurs from 12:00 (am)/pm to 11:59 am/pm)
Circle the days of the week that discharge occurs: S (M)(T)(W)(T)(F)(S)

	Codes (SIC) which apply to your facility: es, list in descending order of importance].
3079	; 3678 ; 3643 ; ; ;
SECTION II. Production Data	[403.12(b)(3)]
	ons which result in a discharge to the che production rates, expressed as an average
	Average Rate of Production
Operation Description	Basis Amount (exact figure or (Choose one) verifiable estimate)
	Day
	Month
Plating	Year 4,500,000 Parts
	Day
	Month
Vibratory/ Tumbling Finishing	Year 15,000,000 Parts
	Day
•	Month
• •	Year
(Attach additional sheets if	necessary)

B. Schematic Process Diagram [403.12(b)(3)]

Provide a schematic process diagram which indicates points of discharge to the sanitary sewer from each regulated process as found in the applicable categorical regulation {National Categorical Pretreatment Standards}, as well as non-regulated processes.

# SECTION III. Wastewater Flow Rates [403.12(b)(4)(i)&(ii)]

A. The following wastewater flow rates to the sanitary sewer are to be provided by the Industrial User and must be physically measured unless other verifiable techniques are approved by the Downers Grove Sanitary District due to cost or non-feasibility.

Maximum Daily Flow (Gals/Day): (report the largest daily flow expected throughout the year for all discharges)

	10,000 Gal/Day
	ual Daily Average Flow (Gals/Day): (report an average of the work day ws for one, 12 month period, include all disharges) 6,240.28 Gallons
Des	cribe any weekly, monthly or seasonal flow variations:
в.	Industrial Process Discharge
	Industrial Process 1.(describe) Plating (See page 5)
	Process 1 discharge is:
	Continuous ( ) Volume per day: 17,000 Average Parts
	Batch () Volume per batch: 3400 batches/day 5
	Industrial Process 2.(describe)
	Process 2 discharge is:
	Continuous ( ) Volume per day: 50,000 Average Parts
	Batch () Volume per batch: 2500 Parts batches/day 20
	Industrial Process 3.(describe)
	Process 3 discharge is:
	Continuous ( ) Volume per day:
	Batch ( ) Volume per batch:batches/day

C. Using information from water bills, sanitary sewer bills, and your plants records, show where the water used for the individual processes listed below comes from and is discharged to, in gallons per day. By totaling the figures you should have a water balance, with the volume received equaling the volume discharged.

Gals/Day		DGSD .	Other	
	.Source(1)		Gals/Day.	To(2)
11851-13786	5. A	X	•	_A
. 5400-8500	. A	. X	•	_A
0-40	. A	X	•	_A
<u>х</u>	. A		•	
·	·	· · · · · · · · · · · · · · · · · · ·	·	
·	• .	·	•	
·	. A	Х	•	
e Water Dep nont Water, ed or recla	artement, h d) Oakbro imed water	o) Westmor ook Water,	it Water e) Privat	e Well
face water	s, c) storm			
ner:				
	. 5400-8500 . 0-40 . X	A  O-40  A  X  A  Oropriate code letter  Water Departement, is nont Water, d) Oakbro ed or reclaimed water  Oropriate code indicate face waters, c) storm wastewater hauler.	A X  O-40 A X  X A  Oropriate code letter indicating water Departement, b) Westmorn ont Water, d) Oakbrook Water, ed or reclaimed water  Oropriate code indicating the distance waters, c) storm sewer, d) wastewater hauler.	A X  Oropriate code letter indicating the water water Departement, b) Westmont Water ont Water, d) Oakbrook Water, e) Privated or reclaimed water propriate code indicating the discharge postace waters, c) storm sewer, d) product, wastewater hauler.

Identify all environmental permits held by this facility.

Permitting Agency	Permit Type	Permit Number
IEPA	Generator	<u>IID 005 084 124</u>
IEPA	Pretreatment	1984- FB - 1508
EPA	Generator	043030 <b>5</b> 017

Manufacturer's Name

#### SECTION IV. Raw Materials and Chemicals

Technical Name

A. Give technical and common names of raw materials and chemicals that are used in the manufacturing or other processes, which can be discharged to the sanitary sewer. In the case of proprietary compounds, provide the manufacturer's name.

Information to complete this section can be taken from self monitoring data, material safety data sheets (MSDS), suppliers of materials, raw material labels, and various trade organizations.

Common Name

(1) Electro-Lytic Nickel	Nickel Sulfamate Plating Soluti	ion CP Chemical
(2) Techni - Silver E2	Sliver / Copper Plating Solution	on Technic, Inc.
(3) Orotemp 24	Soft Gold Plating Solution	Technic, Inc.
(4) Orosene 80	Hard Gold Plating Solution	Technic, Inc.
		Technic, Inc.
B. Are any of the follo		e premises and therefore ewer? If yes, please thyl vinyl ether (19) probenzene (25) probenzene (26) probenzene (27) pethane (12) propropane (32) propropane (32) propropane (32) propropene chloride (44) produce (45) promomethane (48) propropene (45) propropene (45) propropene (46) (47) promomethane (48) propropene (48) proprene (48) propre

<sup>\*</sup> used at Tricon but not suspected to be present in effluent due to Solvent Mgmt. plan.

# Section IV. Raw Materials and Chemicals

(6) Enplate Ni 416S

Nickel Plating Solution

Enthone, Inc.

```
Benzo (G,H,I) perylene (79)
   Phenanthrene (81)
                                                 4-Chlorophenyl phenyl ether (40)
  __Hexachlorobenzene (9)
 __1,2,4-Trichlorobenzene (8)
                                                 3,3-Dichlorobenzidine (28)
Bis(2-chloroethoxyl)methane (43)
                                                 Benzidine (5)
___Naphthalene (55)
                                                 Bis (2-chloroethyl) ether (18)
____2-Chloronaphthalene (20)
                                              ___1,2-Diphenyhydrazine (37)
___Isophorone (54)
___Nitrobenzene (56)
                                              ___Hexachlorocyclopentadiene (53)
                                              ___N-Nitrosodiphenylamine (62)
  __2,4-Dinitrotoluene
                                                 {	t N-Nitrosodimethylamine} (61)
                                                 N-Nitrosodi-N-propylamine (63)
  __2,6-Dinitrotoluene (36)
4-Bromophenyl phenyl ether (41)
                                                 Bis (2-chloroisopropyl) ether(42)
Bis (2-ethlyhexyl) phthalate (66)
Di-N-Octyl phthalate (69)
                                                 P-Chloro-M-cresol
                                                 _2-Chlorophenol(24)
  _Dimethyl phthalate (71)
                                               __2,4-Diclorophenol
___Diethyl phthalate (70)
                                              ___2,4,6-Trichlorophenol (21)
___Di-N-Butyl phthalate (68)
                                                 2,4-Dimethylphenol (34)
                                                 Heptachlor (100)
Acenaphthene (1)

Butyl benzyl phthalate (67)

Phenol (65)
  __Acenaphthylene (77)
                                                _Alpha-endosulfan (95)
                                                 Beta-endosulfan (96)
                                                 Endosulfan-sulfate (97)
 __2-Nitrophenol (57)
                                                _Alpha-BHC (102)
                                                 _Beta-BHC (103)
___Aldrin (89)
                                                 Gamma-BHC (104)
 ___Dieldrin (90)
  __4,4-DDT (92)
                                                 _Delta-BHC (105)
 __4,4-JDE (p,p-DDX)
                                                _Antimony (114)
Endrin (98)
                                                 Arsenic (115)
 __Heptachlor epoxide (101)
__Xylenes
                                                 _Beryllium (117)
                                                 Cadmium (118)
 Toxaphene (113)
Chlordane (91)
                                                 Chromium (119)
                                              <u>X</u> Copper (120)
 __PCB-4242 (Arochlor 1242) (106)
                                                 Lead(122)
  __PCB-1254 (Arochlor 1254) (107)
                                              X Total cyanides (121)
PCB-1221 (Arochlor 1221) (108)

PCB-1232 (Arochlor 1232) (109)

PCB-1248 (Arochlor 1248) (110)

PCB-1260 (Arochlor 1260) (111)

PCB-1016 (Arochlor 1016) (112)

Endrin Aldebyde (200)
                                                 Mercury (123)
                                             <u>v</u>Nickel (124)
                                               __Selenium (125)
                                             <u>x</u>Silver (126)
                                                 Thallium (127)
 __Endrin Aldehyde (99)
                                                _Zinc (128)
 __Asbestos (116)
                                                 Alkyl Epoxides
___2,3,7,8-Tetrachlordibenzo-P-Dioxin (TCDD) (129)
 __Mineral acids (sulfuric, hydrochloric, nitric, hydrofluoric, chromic,
   phosphoric, acetic)
  _Radioactive nucleotides
  BOD greater than 300 mg/L
   Total suspended solids greater than 350 mg/L
____Total suspended solids greater than 100 mg/L _____PH less than 5 or greater than 9
  _Strong basic solutions (sodium hydroxide, calcium hydroxide)
 __Temperature greater than 157 degrees F or 65 degrees C
```

# C. Pollutant Measurement [403.12(b)(5)(ii) & (viii)]

Attach analytical laboratory reports for the sample(s) and parameters requested in the application form below. These reports must include the analytical laboratory's name, address, telephone number, sampling dates, sample types (i.e., composite, grab, automatic or manual composite, etc.), a description of the sampling location and identity of the parameters with concentrations and units of measurement.

Facility: Tricon Industries, 2325 Wisconsin, Downers Grove, IL

Sampling Point	Sample Type	Number of Samples	Parameter:
1. Plating Dept. pretreated wastewater discharge at inspectitank.	composite	One	Cadmium (T) Chromium (T) Copper (T) Lead (T) Nickel (T) Silver (T) Zinc (T)
2. CN destruction Pit	Grab Samples	Two taken during the same work day	Cyanide (T)

All samples shall be analyzed for the parameters in the right hand column Samples shall be representative of the volume and nature of the discharge and shall be properly preserved at the time of collection.

## SECTION V. Process Wastewater Pretreatment System Operations

A. Describe the pretreatment given to process wastewaters prior to discharge to the sanitary sewer system.

Cyanide destruct by Sodium Hypochloride (15%) P.H. adjust by Sodium Hydroxide (50%) and Hydrochloric Acid (20%)

# (attach additional sheets as necessary)

- B. Does the pretreatment facility have an operating permit from the Illinois Environmental Protection Agency? No () Yes (x) If yes, what is the IEPA permit number:
- C. Have the pretreatment facility's plans been submitted and approved by the Downers Grove Sanitary District? No () Yes (X) N/A ()



# Enviro-Test/Perry Laboratories, Inc. Chicago Dairy & Food Laboratories

319 OGDEN AVENUE DOWNERS GROVE, IL 60515-3142 (708) 963-4672 FAX # (708) 963-4685

TEPA 100186

#### CERTIFIED LABORATORY REPORT

IDPH 17134

Tricon Industries Ms. Sue Grandle 2325 Wisconsin Ave. Downers Grove, IL 60515

January 31, 1990 Received: 01-22-90 Completed: 01-30-90

P.O. #:40862

Lab No.

Sample Identification

J0150	Cyanide Pit	01-22-90
J0151	Grab Sample	01-22-90 11:35A

Test Parameter	J0150	J0151	
Cyanide (total)	.04		<u> </u>
Copper		.63	
Silver		LT .05	
Nickel		.61	
Zinc		LT .05	
Chromium		LT .05	
Cadmium		LT .05	
Lead		.09	

LT means Less Than

All results are total and in ppm unless otherwise noted. Approved for the examination of water, dairy, chemical, microbiological and container testing by the ILDPH and ILEPA.

George Lenos Ceneral Manager Laboratory Director

D. Provide the names of personn their title, and whether they ha		
Name: Gary Kaupie	Title: Plater	Class K Certified? No( ) Yes(x )
	<del></del>	
Name: Frank Mroczka	Title: Plating Foreman	No(X) Yes(
Name: Carl Humfleet	Title: Plater	No(x) Yes(
SECTION VI. Plant Layout Diagra	am.	
Attach a diagram of your fa of each building on the premises which shows the location of wate sewer lines and manholes, storm SECTION VII. Statement of Compl A. Based on the information in of your knowledge, is the wastew meet the applicable pretreatment	r meters, any sewage flow sewer manholes and streets iance [403.12(b)(7)] this permit application, a vater discharged from this	ride a drawing meters, sanitar; i.
Yes(X) No(), Remarks:		
B. If not, is additional operat additional pretreatment of the w pretreatment standards and requi	astewater required to meet	

C. If the answer to Section VII (B) is yes, the Industrial User must submit as part of this application, a compliance schedule or work plan showing the shortest schedule for the User to provide such 0 & M and/or pretreatment. The compliance schedule given in this application will become attached to and part of the Industrial Discharge Permit. The compliance schedule, or work plan, shall in no case provide for any increment of progress exceeding six (6) months.

Not later than fourteen (14) days following each date in the schedul and the final date for compliance, the User shall submit a progress report to the District including, as a minimum, whether or not it complied with the increment of progress to be met on such date, if not, the date on which it expects to comply with this increment of progress, the reason fo the delay, and the steps taken by the User to return construction to the schedule established. In no event shall more than six (6) months elapse between progress reports to the District.

# SECTION VIII. <u>Certification</u> [403.12(b)(6)]

This application must be reviewed and certified by a principal executive officer of the discharger as to the accuracy of the contents. If pretreatment is provided, the certification must be signed also by a qualified professional who is familiar with the treatment system.

I (we) declare that I (we) have examined this Industrial Discharge Permit Application and certify that to the best of my (our) knowledge and belief, it is true, correct and complete.

## Principal Executive Officer

Susan Grandle	Human Resource Manager		
Print Name	Title		
Susan Grandle	July 18, 1990		
Signature	Date		
Qualified	Professional		
Print Name	Title		
Signature	Date		

It is the responsibility of the Industrial User to be aware of and in compliance with all federal, state and local rules, regulations, laws and ordinances, as they pertain to the discharge of wastewaters generated at the User's facility.

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 708-969-0664

Providing a Better Environment for South Central DuPage County

October 15, 1990

STAFF

Lawrence C. Cox General Manager Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Human Resources Manager Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Dear Ms. Grandle:

Susan Grandle

The industrial discharge permit issued to your facility has been validated and a copy is enclosed. It is effective for a five year term, which begins immediately. The permit will expire on October 15, 1995.

Please call me of you have any questions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

Suc

#### DOWNERS GROVE SANITARY DISTRICT

Discharge Fermit No. 2

Issuance Date: October 15, 1990 Expiration: October 15, 1995

Permittee Name: Tricon Industries Incorporated

Permittee Address: 2325 Wisconsin Avenue

Downers Grove, Ilinois 60515

Name of Fremise Permitted: Tricon Industries Incorporated

Electromechanical Division

Location of Premise Permitted: 2325 Wisconsin Avenue

Downers Grove, Illinois 60515

In accordance with the provisions of Article II(A), Section 400, of the District's Sewer Use Ordinance, the above designated Permittee is hereby authorized to discharge industrial wastewater from the above identified facility and through the discharge lines identified herein into the sanitary sewer system of the Downers Grove Sanitary District subject to said Fermittee's compliance with applicable pretreatment standards, District ordinances, and the terms and conditions of this permit. The Fermittee is not authorized to discharge wastewater to the District except by permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards or requirements under local, State, or Federal laws, including any such regulations, standards, requirements, or laws that become effective during the term of this permit.

Non compliance with any term or condition of this permit shall constitute a violation of the Downers Grove Sanitary District's sewer use ordinance.

The Permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The Permittee shall submit to the District such information, forms, and fees as are required in accordance with Article II(A), Section 400.105(e), as application for permit renewal, a minimum of ninety (90) days prior to the expiration date.

DOWNERS GROVE SANITARY DISTRICT

Bv:

Lawrence C. Cox, District General Manager

#### I. Description of the Fermitted Discharge

The permitted industrial facility contains processes for the manufacture of electronic contacts, which includes a captive electroplating operation and associated cleaning and finishing operations. These process operations are governed by the Federal Categorical Standards for the Metal Finishing Industry, as required by 40 CFR Part 433.

Rinsewater from the electroplating and finishing areas are pretreated together, prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorine treatment for cyanide destruction, and a final pH adjustment. Discharge of these process wastewaters is continuous during operations.

While solids are collected in a settling basin, no treatment is provided for complexed or dissolved metals. Therefore, plating solutions and the concentrated rinse waters are prohibited from discharge to this system, whether by accidental or deliberate means.

The wastewater discharged from this facility consists of 1) process wastewater, estimated to be from 6,000 to 8,500 gallons daily and 2) sanitary wastewater, estimated at 12,000 gallons per day.

The point of discharge to the District sanitary sewer system is at District Manhole Number II-A-54. Three sampling points are identified in this permit:

- 001-A This point is at the inspection tank and represents the pretreated plating/finishing rinsewater flow. This sampling point will be used for all monitoring to establish compliance with the l'Imits on metal and TTO parameters cited in Sections IIA and B.
- 001-B This point is at the cyanide destruction pit in the plating area. This point shall be used to collect cyanide samples to determine compliance with the cyanide limit cited in Section IIA.
- 001-C This is the inspection manhole in front of the building and will be used to monitor compliance with the specific local limits named in the District ordinance.

#### II. <u>Discharge Limitations</u>

A. During the effective period of this permit, the discharge flow from the electroplating operation shall not exceed an average flow of 8,500 gallons per day and shall not exceed the following limitations:

	Maximum Daily Concentration	Maximum Monthly Average
<u> Pollutant</u>	mq/L	mq/L
Cadmium, (Total)	0.11	0.07
Chromium, (Total)	2.77	1.71
Copper, (Total)	3.38	2.07
Lead, (Total)	0.69	0.43
Nickel, (Total)	3.98	2.38
Silver, (Total)	0.43	0.24
Zinc, (Total)	2.61	1.48
Cyanide (A)	0.86	0.32
Cyanide (T)	1.2	0.65
ρĤ	<b>6.0 - 9.</b> 0	6.0 - 9.0

B. Total toxic organics (TTO) are defined as the summation of all quantifiable values greater than 0.01 mg/L for the specified organics in the Metal Finishing Regulation, 40 CFR Part 433. The TTO limit is specified below:

<u>Follutant</u>	Daily Maximum	Maximum Monthly Average
TTD	2.13 mg/L	_

- C. Flating solutions and any chemical sludge produced in the electroplating or finishing departments, or by the pretreatment system, shall not be discharged to the District's system, but shall be disposed of in an approved landfill or by other approved methods.
- D. All discharges from this facility shall be in compliance with the ordinances of the District, the statutes of the State of Illinois, and the regulations of the U.S. Environmental Protection Agency, and the Illinois Environmental Protection Agency.
- E. The discharge from this facility shall not produce any adverse effects on the District sanitary sewer service that would endanger private or public property, the public health, the integrity of the receiving stream, and/or the treatment processes of the District Wastewater Treatment Center.

# III. Self-Monitoring and Reporting Requirements

A. The Permittee shall sample and analyze wastewater at the specific locations and for the parameters, frequencies and sample types specified herein:

<u>Farameter</u>	<u>Location</u>	Frequency	Sample Type
Flow	Plating/Finishi <b>ng</b> Water Meters	Daily	-
pН	001-A	3 days/Mo	One grab sample
Copper (T)	001-A	3 Days/Mo	One manual composite that is flow proportioned, and one grab sample.
Nickel (T)	001-A	3 Days/Mo	One Composite, one grab
Silver (T)	001-A	3 Days/Mo	One Composite, one grab
Zinc (T)	001-A	3/Days/Mo	One composite, one grab
Cyanide (T or A)	001-B	3 days/Mo*	One grab sample

\* Cyanide samples shall be collected only when cyanide is being treated and there is flow from the cyanide destruction pit.

All samples shall be properly preserved at the time of collection and shall be representative of the volume and nature of the discharge.

- B. The Fermittee shall report the results of the above analyses to the District on a quarterly basis. These quarterly self-monitoring reports shall be submitted by the twentieth day of the month following the calendar quarter, (i.e., April, July, October and January) and shall include the analytical results and measurements above as well as the following information:
  - The volume of chemical solutions and sludges disposed of during the month, the name of the hauler and the ultimate destination of the waste;
  - 2) A description of any spills of materials which are prohibited from discharge to the sanitary sewer system, including any of the materials included in the industrial spill prevention, containment and control (SPCC) plan. If no spills occurred, the following certification statement will be included in the report:

<sup>&</sup>quot;Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- 3) The report shall be signed by the Authorized Representative of the Permittee.
- C. If the permittee analyzes any parameters listed in Section IIA at a frequency greater than is specified in Section IIIA, the Permittee shall report all the data collected.
- D. The Permittee shall notify the District within 24 hours of when they receive notification that a sample result exceeds the permit limit for any of the parameters listed in Sections IIA and B. The discharge in question shall be resampled within a reasonable length of time, not exceeding 30 days from the date of the violation.
- E. Every six months, the Permittee shall collect one manual composite sample at 001-A taken during operating hours and analyze the sample for all the parameters listed in Section II(A). Cyanide shall be reported on one grab sample, for either total or amenable cyanide, taken at the cyanide destruction pit, 001-B. The results shall be reported to the District with the next self-monitoring report. These samples shall be representative of the volume and nature of the discharge.
- F. The Permittee shall notify the District immediately, by telephone, upon any accidental or slug discharge to the District's system. The permittee shall follow up with a written report within fifteen days after the incident, fully describing it, who was notified, how the spill was cleaned up and disposed of and what measures will be taken to prevent a recurrence. A slug load is defined by ordinance as five times the daily maximum limit.
- G. On request by the District, the Fermittee shall provide the District splits on samples collected for self monitoring purposes.
- H. When a compliance schedule has been included as part of the permit, or amended to it, a Pretreatment Compliance Schedule Progress Report shall be submitted to the District no later than fourteen (14) days after the scheduled date for each increment of progress. At a minimum, these reports shall include whether the increment of progress has been complied with, and if not, the date which the Permittee expects to comply with the increment of progress, and the steps being taken to return to the schedule established.

I. All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with other test procedures approved by the USEPA Administrator. Sampling shall be performed in accordance with the techniques approved by the USEPA Administrator. Where 40 CFR Fart 136 does not include sampling or analytical techniques for the pollutants in question or where the USEPA Administrator determines that the Fart 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any sampling and analytical procedures approved by the USEPA Administrator.

#### IV. Permit Compliance

- A. The Permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, Subparagraphs A through E.
- B. In the event the Permittee does not comply with the conditions of this permit, the Manager of the District shall notify the Permittee in writing of the specific violation of this permit. The Permittee shall be given ten (10) working days from the receipt of the aforementioned notification to respond to the District in writing, detailing the steps taken or to be taken by the Permittee to prevent a recurrence of the cited violation. In the event the Manager of the District determines that the Permittee's action will not prevent a recurrence of a violation of this permit, the Manager will notify the Permittee in writing of the measures and/or devices that the Permittee must institute to comply with the conditions of this permit and the time period in which said measures and/or devices must be implemented. The above provisions are in addition to, not in lieu of any other enforcement remedies available to the District.
- C. The falsification or intentional misrepresentation by the Permittee of any data or information required under this permit shall void this permit.

# V. <u>General Conditions</u>

A. All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from this facility is expected to materially and substantially change, the Permittee shall give a thirty (30) day notice in writing to the District and shall make new application to the District prior to said change. The Permittee shall not materially or substantially change the type, quality or volume of its wastewaters beyond that allowed by this permit without prior approval of the District.

- B. The Permittee shall allow representatives of the Downers Grove Sanitary District, upon presentation of credentials, ready access at all reasonable times to all parts of the Permittee's premises for the purposes of inspection, sampling, records examination, or other tasks necessary to monitor and insure compliance by the Permittee with the terms and conditions of this permit. The Permittee hereby licenses the District the right to use the existing roadway, parking lot and surface areas of the Permittee's facility for the purpose of collecting samples and making inspections of the wastewater discharges to the District system.
- C. All monitoring reports required by this permit will be available for public inspection at District offices.
- D. The Permittee shall retain for a minimum of three (3) years and afford the District access to any and all records of monitoring activities and results relating to wastewater discharges from the subject facility.
- E. This permit is issued to the named Fermittee for the specific operations permitted and is not transferable or assignable without the approval of the District.
- F. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any State, Federal or local laws.
- G. In the event a court of competent jurisdiction determines that any portion(s) of this permit is invalid, such a determination shall not affect the validity of the remaining portions of this permit.

#### VI. <u>Term of Fermit</u>

The term of this permit shall be from the issuance date of this permit to the stated expiration date. Provided, however, that the permit is contingent upon the issuance of a NPDES Permit to the District. Provided further, that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit, prior to its anticipated expiration date, the District may amend this permit upon sixty (60) days written notice to the Permittee.

#### REPORTING SUMMARY

#### <u>Item</u>

#### Due at DGSD

 Quarterly Self-Monitoring Reports By the twentieth day of the month following each respective calendar quarter, (i.e., April, July, October and January).

2. Spill or Slug Reports

Notify the District's Laboratory Director, Janet Lacina or Operations Director, Ralph Smith by telephone as soon as possible after the spill or slug is detected. A written report must be submitted to and received by the DGSD within fifteen calendar days after the telephone notification.

Compliance Reports

Submitted within 14 calendar days after the scheduled completion of an increment of progress listed in the compliance schedule.

4. Process or Flow Changes

Submitted to and received by the DGSD within 30 calendar days prior to any changes at which time re-application shall be made for the Industrial Discharge Permit.

5. Permit Renewal Application

Submitted to and received by DGSD 90 calendar days in advance of current permit expiration date.

All reports should be mailed to:

DOWNERS GROVE SANITARY DISTRICT 2710 Curtiss Street Downers Grove, IL 60515

Janet Lacina Laboratory Services Director

## DGSD Telephone Contacts

Mon-Fri, 0830 A.M. - 4:30 P.M....969-0664....Laboratory Services Director

During non-business hours, weekends and holidays, call the same number, 969-0664 and leave a message with the answering service for the person on call.

BCĀRD OF TRUSTEES
Hugh A Williams, Jr.
President
Roy W. Roush, Jr.
Vice-President
Herbert R. Reich
Clerk



Lawrence C. Cox Monager Ralph E. Smith, Jr. Operations Director Sheila K. Henschel Administrative Services Director Douglas A. Slansky

STAFE

Attorney

2710 Curtiss Street, Downers Grove, IL 60515 1-312-969-0664

Providing a Better Environment for South Central DuPage County

February 19, 1986

Mr. Frank Essig Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Dear Frank:

I have enclosed two copies of the amendment to the discharge permit for Tricon Industries, Inc. Please review it and let me know if you have any questions or comments. Please have the appropriate individuals sign both copies and return them to the District for validation. One of the copies will be returned to you for your files.

The revisions included in the amendment are a rewording of Section III A to an unambiguous description of sample types, locations, and frequencies. Section III B was also revised and divided into two parts, part B describes what information is required in the self-monitoring reports and part C the information which need not be reported, but should be kept on file.

Section IV C was added. It was inadvertently omitted from the final version and is a standard permit condition.

Please call me if you have any comments.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Jan & M Lacina

Laboratory Services Director

JML/jad Enclosure Amendment to Wastewater Discharge Permit No. 2

Permittee Name:

Tricon Industries, Inc.

Permittee Address:

2325 Wisconsin Avenue Downers Grove, IL 60515

Location of Premise Permitted:

2325 Wisconsin Avenue Downers Grove, IL 60515

Section III. Self-Monitoring and Reporting Requirements shall be wholly replaced by the revision contained herein.

Section IV. Permit Compliance is amended by the addition of part C.

#### III. Self-Monitoring and Reporting Requirements

A) The permittee shall sample and analyze the Cleaning and Finishing Department's pretreated discharge for the following parameters at the locations and frequencies specified:

Parameter	Frequency	Sample Location	Sample Type
Flow	Each department working day		
pН	Three working days per month	At inspection tank	One grab sample each sampling day
Copper	Three working days per month	At inspection tank	One flow proportioned composite, and one grab sample each sampling day
Nickel	***	tt	11
Silver	in '	n	Ŷι
Cyaņide <sup>1</sup>	H	At cyanide destruction pit	One grab sample each sampling day when there i flow throuth the destruction pit.

<sup>1</sup> Total or amenable cyanide.

All samples shall be properly preserved at the time of collection and shall be representative of the volume and nature of the discharge. The District may adjust sampling frequencies dependent upon the permittee's compliance.

B) The permittee shall report the results of the above analyses to the District on a quarterly basis. The quarterly self-monitoring reports shall be due on or before the twentieth day of the month following each calendar quarter (i.e., April, July, October, and January). Such reports shall include the following:

- 1. Sample dates and times,
- 2. Volumes of spent plating solutions, and/or metal sludges disposed of, including the name of the waste hauler, and the ultimate destination.
- 3. Any accidental discharges to the sanitary sewer must be described. In none have occurred during the reporting period, the following certification statement shall be included in the report:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standards for total toxic organics and spill containment, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxics or toxic organics has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- C) The permittee shall have on file for review by District representatives the following information:
  - 1) The names of persons collecting samples for self-monitoring data,
  - 2) The names, addresses, and telephone numbers for the analytical laboratories providing results,
  - 3) The dates of analyses.
- D) The permittee shall annually collect one twenty-four (24) hour composite sample of the pretreated process wastewater discharge. This sample shall be analyzed by the permittee for all the parameters listed in Section II A, with the exception that only one form of cyanide, either total or amenable, is required.
- E) The permittee shall notify the District immediately upon any accidental or slug discharge to the District's system.
- F) All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with any other test procedures approved by the Administrator. Sampling shall be performed in accordance with the techniques approved by the Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question, or where the USEPA Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods, or any other sampling and analytical procedures approved by the Administrator.

#### VI. Permit Compliance

C) The falsification or intentional misrepresentation by the permittee of any data or information required under this permit shall void this permit.

PERMITTEE: TRICON INDUSTRIES

D. .\_

ለ**ጥ**ጥፑርጥ•

DOWNERS GROVE SANITARY DISTRICT

BY MUNICIPAL O. O.K. MANGER

Assistant Clerk

DATE: MARCH II 1996

Downers Grove Sanitary District Discharge Permit No: 2 Issuance Date: October 15, 1985 Expiration Date: October 15, 1990

Permittee Name:

Tricon Industries, Inc.

Permittee Address: 2325 Wisconsin

Downers Grove, Illinois 60515

Location of Premise Permitted: 2325 Wisconsin Avenue

Downers Grove, Illinois 60515

The above designated permittee is hereby authorized to discharge wastewater to the sanitary sewer system of the Downers Grove Sanitary District subject to said permittee's compliance with applicable pretreatment standards, District ordinances, and the terms and conditions of this permit. The permittee is not authorized to discharge wastewater to the District except by permit.

The permittee is not authorized to discharge after the above expiration date or the expiration date of any renewal of this permit. The permittee shall submit such information, forms, and fees as are required by the District not later than ninety (90) days prior to the above expiration date.

#### PERMITTEE:

TRICON INDUSTRAS, INC.

DOWNERS GROVE SANITARY DISTRICT

#### I. Description of Permitted Discharge

The permitted industrial facility contains processes for the manufacture of electronic contacts which includes captive cleaning, finishing and electroplating operations. The pretreatment provided for wastewaters from the cleaning, finishing and electroplating processes consists of segregated cyanide destruction for cyanide containing wastes and final pH neutralization of all wastes, all as permitted by the Illinois Environmental Protection Agency under permit number 1984-EB-1508, dated December 13, 1984.

Wastewater flows during process operation are continuous and limited to process rinse water from the electroplating and finishing departments.

The wastewater discharge from the facility consists of 1) process wastewater from the electroplating and tumbling operations estimated at 6,000 - 8,500 gallons per day and 2) domestic sewage estimated at 8,000 - 11,000 gallons per day.

The point of discharge to the District sanitary sewer system is into District Manhole Number 2-A-54. An inspection manhole with access to the pretreatment system effluent currently exists inside the building.

# II. Discharge Limitations

A) The discharge from the finishing and electroplating operations to the pretreatment system shall not exceed 8,500 gallons during any day. The effluent from the pretreatment system shall comply with the following standards which are based on concentrations at the end of the treatment process before dilution with other wastes.

Pollutant	Max Daily Conc (mg/1)	Max Monthly Avg (mg/1)
Cadmium (Total)	0.11	0.07
Chromium (Total)	2.77	1.71
Copper (Total)	3.38	2.07
Lead (Total)	0.69	0.43
Nickel (Total)	3.98	2.38
Silver (Total)	0.43	0.24
Zinc (Total)	2.61	1.48
Cyanide (Amenable to		
Chlorinati	lon) 0.86	0.32
Cyanide (Total)	1.2	0.65
рH	6.0-9.0	6.0-9.0

If cyanide is sampled after the pH neutralization tank, the applicable limits as calculated using the Combined Waste Stream Formula and process flows of 90 gallons per hour cyanide bearing waste and 505 gallons per hour total flow are as follows:

	Max Daily Conc (mgl)		Max Monthly Avg (mg/1)	
Cvanide	(Amenable to		· •	
0, 4240	Chlorination)	0.15	0.06	
Cyanide	(Total)	0.21	0.12	

Page 3 of 5

B) Total toxic organics (TTO) is defined as the summation of all quanitfiable values greater than 0.01 mg/l for the specified toxic organics in the regulation. The compliance dates and limits which apply are specified below:

TTO Compliance Date	Daily Maximum (mg/l)	Maximum Monthly Average (mg/l)
June 30, 1984	4.57	
February 15, 1986	2.13	

- C) Plating solutions and sludge from the electroplating or pretreatment systems shall not be discharged into the Districts system but shall be disposed of in an approved landfill or by other approved method.
- D) All discharges from this facility shall be in compliance with the ordinances of the District, statutes of the State of Illinois and regulations of the U.S. Environmental Protection Agency and the Illinois Environmental Protection Agency, as currently in effect or as amended from time to time during the term of this permit.
- E) The discharge from this facility shall not produce any adverse effects on the District sanitary sewer service that would endanger private or public property, the public health, the integrity of the receiving stream, and/or the treatment processes of the District Wastewater Treatment Center.

#### III. Self-Monitoring and Reporting Requirements

- A) The permittee shall take one grab and one daily composite sample either manual or automatic, consisting of hourly grab samples which are composited proportionally to flow, on the pretreatment system discharge, every other finishing/plating department working day. A minimum of ten (10) days shall be sampled per month. The District may reduce the frequency of sampling based on the analytical results submitted by the permittee. The samples shall be representative of the volume and nature of the discharge. The samples shall be analyzed for cyanide (amenable), copper, nickel, silver, and pH.
- B) The permittee shall report the results of the above analyses to the District on a quarterly basis. The reports shall be due on or before the twentieth day of the month following the end of each calendar quarter (April, July, October, January). Such reports shall include:
  - a) Sample dates and times
  - b) Dates analyses were performed
  - c) The person(s) performing the analyses if done in house
  - d) The name of the commercial laboratory if done outside
  - e) Daily water use in the finishing/plating department
  - f) Volumes of spent plating solutions and metal sludges disposed of including the name of the hauler, and the ultimate destination.

Any accidental discharges of toxic materials to the sanitary sewer must be described. If none have occurred during the reporting period, the following certification statement should be included:

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standards for total toxic organics and spill containment, I certify that, to the best of my knowledge and belief, no dumping of concentrated toxics or toxic organics has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the District."

- C) The permittee shall annually take one twenty-four (24) hour sample of the pretreated process wastewater discharge. This sample shall be analyzed by the permittee for all the parameters in Section IIA, except analysis is required for only one form of cyanide, Total or Amenable.
- D) The permittee shall notify the District immediately upon any accidental or slug discharge to the District system.
- E) All measurements, tests, and analyses to which reference is made in this permit shall be determined and performed in accordance with the procedures established by the USEPA Administrator pursuant to Section 304 (g) of the Clean Water Act and contained in 40 CFR Part 136 and amendments thereto or with any other test procedures approved by the Administrator. Sampling shall be performed in accordance with the techniques approved by the Administrator. Where 40 CFR Part 136 does not include sampling or analytical techniques for the pollutants in question, or where the Administrator determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any other sampling and analytical procedures approved by the Administrator.

#### IV. Permit Compliance

- A) The permittee shall install and maintain any equipment and implement any measures as are required to maintain compliance with the discharge limitations stated in Section II, Subparagraphs A through E.
- B) In the event the permittee does not comply with the conditions of this permit, the Manager of the District shall immediately notify the permittee in writing of the specific violation of this permit. The permittee shall be given ten (10) working days from the receipt of the aforementioned notification to respond to District in writing, detailing the steps taken or to be taken by the permittee to prevent a recurrence of the cited violation. In the event the Manager of the District determines that the permittee's action will not prevent the recurrence of a violation of this permit, the Manager will notify the permittee in writing of the measures and/or devices that the permittee must institute to comply with the conditions of this permit and the time period in which said measures and/or devices must be implemented. The above provisions are in addition to, not in lieu of, any other enforcement remedies available to the District.

#### V. General Conditions

- A) All discharges authorized herein shall be consistent with the terms and conditions of this permit. In the event the type, quality or volume of wastewater from the subject facility is expected to materially and substantially change, the permittee shall give a thirty (30) day notice in writing to the District and shall make a new application to the District prior to said change. The permittee shall not materially or substantially change the type, quality, or volume of its wastewater beyond that allowed by this permit without prior approval of the District.
- B) The permittee shall allow representatives of the Downers Grove Sanitary District, upon the presentation of credentials, ready access at all reasonable times to all parts of the permittee's premises for the purposes of inspection, sampling, records examination or other tasks necessary to monitor and insure compliance by the permittee with the terms and conditions of this permit. The permittee hereby licenses the District the right to use the existing roadway, parking lot and surface areas of the permittee's facility for the purpose of collecting samples and making inspections of the wastewater discharges to the District system.
- C) All monitoring reports required by this permit will be available for public inspection at the District offices.
- D) The permittee shall retain for a minimum of three (3) years and afford the District access to any and all records of monitoring activities, and results relating to wastewater discharge from the subject facility.
- E) This permit is issued to the named permittee for the specific operations permitted and is not transferable or assignable without the approval of the District.
- F) Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalities established pursuant to any State, Federal, or local laws.
- G) In the event a court of competent jurisdiction determines that any portion(s) of this permit is invlaid, such determination shall not affect the validity of the remaining portions of this permit.

#### VI. Term of Permit

A) The term of this permit shall be from the issuance date of this permit until the stated expiration date. Provided, however, that the permit is contingent upon the issuance of a NPDES permit to the District. Frovided further, that in the event a valid law, regulation, or ordinance requires the amendment of the terms and conditions of this permit prior to its anticipated expiration date, the District may amend this permit upon sixty (60) days written notice to the permittee.



# TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

Contact Assemblies & Switches

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 312/964-2330 Telex 27-0064

June 30, 1986

Mr. Thomas G. McSwiggin, P.E. Illinois Environmental Protection Agency Water Pollution Control Permit Section 2200 Churchhill Road Springfield, IL 62706

Dear Mr. McSwiggin:

RE: Permit Number 1984-EB-1508-1

Please be advised that we wish to revise our permit to coincide with our new operating requirements. Currently, we have a permit which allows for a maximum of 500 gallons per hour of cyanide bearing rinse waters, and 850 gallons per hour of non-cyanide and treated cyanide bearing rinse waters. Our permit allows for a maximum of 8500 gallons per day.

We request the following revisions:

- Total daily maximum of 8500 gallons to increase to 10,000 gallons.
- 2.) Hourly maximum flow for cyanide bearing waste to remain at 500 gallons per hour. Cyanide bearing wastes would be generated up to a maximum of six hours per day or 3,000 gallons per day.
- 3.) The pH adjust system is operated by proportional control systems. This system can adequately handle a volume of 950 gallons per hour. We request that we be allowed to operate rinses through that system as follows:

Average volume—400 gallons per hour Maximum volume——950 gallons per hour

Mr. T. G. McSwiggin, P.E.
Illinois Environmental Protection Agency

Current waste analysis shows that we are well within EPA requirements for the electroplating and metal finishing standards. The results of recent tests are as follows:

Date	Cyanide	Nickel	Copper	Silver	<u>Ha</u>
05/06/86	.03	3.1	.79	LT .05	8.30-8.95
05/16/86	.02	.66	<b>.5</b> 9	.08	8.36-9.03
05/29/86	.01	1.3	.81	LT .05	8.31-8.86

LT = Less than

The reason for this request is that actual usage needs to be increased for a period of 4-6 hours on occasion. Once again, our plating operation and the corresponding cyanide rinses only operate 5-9 days per month and only run for 4-6 hours per day.

We would appreciate your review of this request. Thank you for your assistance.

Sincerely,

Frank Essio

Safety Director

ird

CC: Larry Cox, Manager
Downers Grove Sanitary District



# TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

Contact Assemblies & Switches

2325 Wisconsin Avenue, Downers Grove, Illinois 605!5-4076 312/964-2330 Telex 27-0064

September 16, 1985

217 182 0610

Mr. Thomas G. McSwiggin, P.E. Illinois Invironmental Protection Agency Water Pollution Control Permit Section 2200 Churchhill Road Springfield, IL 62706

RE: Permit Number 1984-EB-1508

Dear Mr. McSwiggin:

Please be advised that we wish to revise our permit to coincide with our normal operating requirements. Currently we have a permit which allows for a maximum of 90 gallons per hour of cyanide bearing rinse waters and 505 gallons per hour of non-cyanide and treated cyanide bearing rinse waters. Our permit allows for a maximum of 8500 gallons per day.

We request the following revisions:

- ·1.) Total daily maximum of 8500 gallons to remain in tact.
  - 2.) Hourly maximum flow for cyanide bearing waste to increase to 500 gallons per hour. Cyanide bearing wastes would be generated up to a maximum of six hours per day or 3,000 gallons per day.

NOTE: The original permit application indicated a maximum design flow of 90 gallons. However, all flow lines are 6" in diameter. Retention time and the 493 gallon capacity treatment pit can adequately handle the 500 gallons per hour. Therefore, an error was made on the original application. We only require 6 hours per day of rinse water application which would be 3,000 gallons per day.

3.) The pH adjust system is operated by proportional control systems. This system can adequately handle a volumn of \$50 gallons per hour. We request that we be allowed to operate rinses through that system as follows:

September 16, 1985

Mr. T. G. McSwiggin, P.E.
Ill. Invironmental Protection Agency

Average volumn--350 gallons per hour Maximum volumn--850 gallons per hour

Current waste analysis shows that we are well within EPA requirements for the electroplating and metal finishing standards. The results of recent tests are as follows:

Date	Cyanide	Nickel	Copper	Silver	рН
8/26/85	.012	1.9	1.6	.15	8.31-8.77
8/27/85	N/A	.92	1.9	.10	8.13-8.38
8/28/85	.076	. 20	1.6	.09	8.15-8.89
8/29/85	N/A	.23	1.2	.05	8.05-8.87
8/30/85	N/A	.16	.98	.08	8.32-8.72

N/A: Not applicable, no wastes generated

The reason for this request is that actual usage needs to be increased for a period of 4-6 hours on occasion. Once again, our plating operation and the corresponding cyanide rinses only operate 5-8 days per month and only run for 4-6 hours per day.

We would appreciate your review of this request. Thank you for your assistance.

Sincerely:

Frank Essig Safety Director

FE:jd

cc: Larry Cox, Manager

Downers Grove Sanitary District

### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WATER POLLUTION CONTROL PERMIT CORRECTED COPY

PERMIT NO.: 1984-EB-1508-1

DATE ISSUED: November 13, 1985

FINAL PLANS, SPECIFICATIONS, APPLICATION

LOG NUMBERS: 3177-85

AND SUPPORTING DOCUMENTS

PREPARED BY: Frank Essig. Safety Director

SUBJECT: TRICON INDUSTRIES -- Pretreatment System for Electroplating Rinsewaters (Downers Grove Sanitary District)

PERMITTEE TO OPERATE Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Supplemental permit is hereby granted to the above designated permittee to operate water pollution control facilities, which were previously approved under Permit #1984-EB-1508 dated December 13, 1984. These facilities have been revised as follows:

Description of water pollution control facilities shall be as follows:

Cyanide treatment consisting of a 493 gallon capacity concrete pit and controls for treating a design maximum flow of 500 gal. per hour of cyanide bearing rinse waters, pH adjustment consisting of a 441 gal. capacity concrete pit and controls for treating a design maximum flow of 850 gallons per hour of non-cyanide and treated cyanide bearing electroplating rinse waters, a 132 gal. neoprene lined steel inspection tank, a 1,897 gal. concrete pit for heavy metals settling and all necessary appurtenances with discharge of a maximum 8,500 gal. per day (0 BOD PE) to the Downers Grove Sanitary District sewer system and wastewater treatment plant.

The expiration date of this permit is December 1, 1989.

All Special Conditions on the original permit issued are also applicable to this permit unless specifically deleted or revised in this permit.

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:EK:sd/2459e/13 cc: EPA - Region 2

> Permits Records

DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.E. Manager. Permit Section

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WATER POLLUTION CONTROL PERMIT

217 782 0610

PERMIT NO.: 1985-E0-3177

DATE ISSUED:

October 25, 1985

FINAL PLANS. SPECIFICATIONS, APPLICATION

LOG NUMBERS: 3177-85

AND SUPPORTING DOCUMENTS

PREPARED BY: Frank Essig, Safety Director

SUBJECT: TRICON INDUSTRIES -- Pretreatment System for Electroplating Rinsewaters (Downers Grove Sanitary District)

PERMITTEE TO OPERATE Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Supplemental permit is hereby granted to the above designated permittee to operate water pollution control facilities, which were previously approved under Permit #1984-EB-1508 dated December 13, 1984. These facilities have been revised as follows:

Description of water pollution control facilities shall be as follows:

Cvanide treatment consisting of a 493 gallon capacity concrete pit and controls for treating a design maximum flow of 500 gal. per hour of cyanide bearing rinse waters, pH adjustment consisting of a 441 gal. capacity concrete pit and controls for treating a design maximum flow of 505 gallons per hour of non-cyanide and treated cyanide bearing electroplating rinse waters, a 132 gal. neoprene lined steel inspection tank, a 1,897 gal. concrete pit for heavy metals settling and all necessary appurtenances with discharge of a maximum 8,500 gal. per day (0 BOD PE) to the Downers Grove Sanitary District sewer system and wastewater treatment plant.

The expiration date of this permit is December 1, 1989.

All Special Conditions on the original permit issued are also applicable to this permit unless specifically deleted or revised in this permit.

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM: EK: sd/2459e/13

cc: EPA - Region 2 Thomas for a

Permits Records DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.E

Manager, Permit Section

	DOWNE	ERS GROVE SA	NITARY DISTRICT	Appl	ication for I	ndust	rial Discharge Permit	Page 1
I. A.	Comp	any Name	Tricon Indust	ries, In	c		SIC Code(s) No.:	3699
	Orga	nization of	Business (S&XXXXXXX	år recox rjx	pik'x kammaxaps	фхик	corporation)	
	1. If sole proprietorship, give name of owner and assumed name, if different than							answer to IA above.
	2.	If partners	hip, give names of	general p	artners and a	ssume	d name, if different	than answer to IA above
						<del></del>		
	3.	If corporat	ion, give state in	which inc	orporated and	the	name and address of r	egistered agent.
	Delaware Kirkland & Ellis 200 E. Randolph							
		<b>****</b>					L 60601	
С.	Busi	lness Addres	s:			D,	Location of Permitted	Discharge:
	Stre	eet2	325 Wisconsin Av	enue			Street 2325 Wis	sconsin Avenue
	City	yDo	owners Grove	Zip	60515		CityDowners	Grove Zip 605
E.	The	name of the	person completing	this appl	ication: (au	thori	zed agent)	•
	Name	e F	cank Essig		Title_	, <u> </u>	Safety Director	Phone 964-2330
F.	Numb	ber of Emplo	yees: (average an	nual numbe	r of employee	s at	permitted facility on	all shifts)
			210					!
G.	ave	rage)	eration: (include )	_	erations and c	lean-	up schedules, and sta	te as an approximate an

.

. н	. Time and duration of discharge to sanitary sewer: (state as an approximate annua	1 average)
	Discharge occurs from 12:00 A.M./XXXXX to 11:59 XXXXX/P.M.	1
	Circle the days of the week that discharge occurs: S M T W T F S	
ion II.	Wastewater Flow Rates	t t
A	. The following wastewater flow rates to the sanitary sewers are to be provided by must be physically measured unless other verifiable techniques are approved by th	

Maximum Daily Flow (Gals/Day): (report the largest daily flow expected throughout the year for all discharges)

District due to cost or non-feasibility.

Annual Daily Average flow (Gals/Day): (report an average flow of the work day flows for one 12 month period, includinall discharges)

Describe any weekly, monthly or seasonal flow variations:

B. Process wastewater discharge is: Continuous (X) Batch ()

If a batch discharge, what volume are the batches and how many per day?

Volume \_\_\_\_\_\_Number per day \_\_\_\_\_

C. Using information from water bills, sanitary sewer bills and your plant records, show where the water used for the individual processes listed comes from and is discharged to in gallons per day. By totaling the figures you should have a water balance, with the volume received equaling the volume discharged.

	Water Supply			ter Discharge	
			DGSD	Other	
Water Used for:	Gals/Day	Source (1)	Gals/Day	Gals/Day	Discharged to (2)
Sanitary	11851-13786	A	х		,
Process	5400-8500	A	х	,	
Cooling	0-40	A	x	1	
Lawn Sprinkling	x	Α		f	
(air pollution Scrubber Water control equipment)					
Boiler					
Other (3)					
Total (Gals/Day)	17291-19226	A	х		

- Notes: (1) Enter the appropriate code letter indicating the water source: a) Downers Grove Water Department b) Westmont Water Department c) Private Well d) Recycled or Reclaimed Water e) Stormwater
  - (2) Enter the appropriate code indicating the discharge point: a) Surface Waters b) Storm Sewer c) Product d) Evaporation e) Hauled by Wastewater Hauler
  - (3) Describe Other:

#### D. Environmental Permits

Identify all environmental permits held by this facility.

Permitting Agency	Permit Type	Permit Number
EPA	Generator	0430300017
ILL EPA	Generator	ILDO 05084124
ILL EPA	Pretreatment	1984-EB-1508

#### Section III. Raw Materials and Chemicals

A. Give technical and common names of raw materials and chemicals that are used in the manufacturing or other processes, which can be discharged to the sanitary sewer. In the case of proprietory compounds, provide the manufacturer's name.

Information to complete this section can be taken from self-monitoring data, material safety handling sheets, suppliers or materials, raw material labels, and various trade organizations.

Technical Name Techni-Silver E2	Common Name Silver Plating Solution	Manufacturer's Name Technic, Inc.	
	Copper Plating Solution	Technic, Inc.	
Enplate Ni 416S	Nickel Plating Solution	Enthone, Inc.	
Orosene 80	Gold Plating Solution	Technic, Inc.	
Potassium Cyanide	Potassium Cyanide	Technic, Inc.	
(please attach any additional i	information)		

B. Are any of the following pollutants present or suspected of being present in the wastewater discharged to the sanitary sewer? If yes, indicate which ones by checking the appropriate box(es):

Acrolein (2)	2-Chloroethyl Vinyl Ether (19)
Acrylonitrile (3)	1,2 - Dichlorobenzene (25)
Benzene (4)	1,3 - Dichlorobenzene (26)
Toluene (86)	1,4 - Dichlorobenzene (27)
Ethylbenzene (38)	Hexachloroethane (12)
Carbon Tetrachloride (6)	Hexachlorobutadiene (52)
Chlorobenzene (7)	1,2 - Dichloropropane (32)
1.2 - Dichloroethane (10)	1,3 - Dichloropropene
**1,1,1-Trichloroethane (11)	Methylene Chloride (44)
1,1 - Dichloroethane (13)	** Methyl Chloride (45)
1.1 - Dichloroethylene (29)	Methyl Bromide (46)
1,1,2 - Trichloroethane (14)	Bromoform (47)
1,1,2,2 - Tetrachloroethane (15)	Dichlorobromomethane (48)
	Trichlorofluoromethane (49)
Chloroethane (16)	Transfer (45)

<sup>\*\*</sup> NOTE: These items are used at Tricon, but we do not suspect them to be present in our effluent as we have a Solvent Management Plan.

Dichlorodifuoromethane (50) Chlorodibromomethane (51) Tetrachloroethylene (85) Trichloroethylene (87) Vinyl Chloride (88) 1,2, -Trans-Dichloroethylene (30) Bis (Chloromethyl) Ether (17) Fluorene (80) Fluoranthene (39) Chrysene (76) Pyrene (84) Phenanthrene (81) Hexachlorobenzene (9) 1,2,4 - Trichlorobenzene (8) Bis (2-Chloroethoxyl) Methane (43) Naphthalene (55) 2-Chloronaphthalene (20) Isophorone (54) Nitrobenzene (56) 2,4 - Dinitrololuene 2,6 - Dinitrotoluene (36) 4 - Bromophenyl Phenyl Ether (41)	4-Nitrophenol (58)  2,4 - Dinitrophenol (59)  4,6 - Dinitro -0-Cresol (60)  Pentachlorophenol (64)  Anthrlene  Benzo (A) Anthralene  Benzo (B) Fluroanthene  Benzo (K) Fluroanthene (75)  Benzo (A) Pyrene (73)  Indeno (1,2,3-C,D) Pyrene (83)  Dibenzo (A,H) Anthralene  Benzo (G,H,I) Perylene (79)  4-Chlorophenyl Phenyl Ether (40)  3,3-Dichlorobenzidine (28)  Benzidine (5)  Bis (2-Chloroethyl) Ether (18)  1,2 - Diphenythydrazine (37)  Hexachlorocyclopentadiene (53)  N-Nitrosodiphenylamine (62)  N-Nitrosodi-N-Propylamine (63)  Bis (2-Chloroisoprophy) Ether (42)
<del></del>	
man .	
Bis (2-Ethylhexyl) Phthalate (66)	P-Chloro-M-Cresol 2-Chlorophenol (24)
Di-N-Octyl Phthalate (69) Dimethyl Phthalate (71)	2.4 - Dichlorophenol
Diethyl Phthalate (70)	2,4,6 - Trichlorophenol (21)
Di-N-Butyl Phthalate (68)	2.4 - Dimethyphenol (34)
Acenaphthylene (77)	Heptachlor (100)
Acenaphthene (1)	Alpha - Endosulfan (95)
Butyl Benzyl Phthalate (67)	Beta-Endosulfan (96)
Pheno1 (65)	Endosulfan-Sulfate (97)
2-Nitrophenol (57)	

```
Alpha-BHC (102)
  Beta-BHC (103)
  Gamma~BHC (104)
  Delta-BHC (105)
  Aldrin (89)
  Dieldrin (90)
  4.4 -DDT (92)
  4,4 - JDE (p,p-DDX)
  Endrin (98)
  Antimony (114)
  Arsenic (115)
  Beryllium (117)
  Cadmium (118)
  Chromium (119)
XXCopper (120)
  Lead (122)
XXTotal Cyanides (121)
  Xylenes
  Heptachlor Epoxide (101)
  Chlordane (91)
  Toxaphene (113)
  PCB-1242 (Arochlor 1242) (106)
  PCB-1254 (Arochlor 1254) (107)
  PCB-1221 (Arochlor 1221) (108)
  PCB-1232 (Arochlor 1232) (109)
  PCB-1248 (Arochlor 1248) (110)
  PCB-1260 (Arochlor 1260) (111)
  PCB-1016 (Arochlor 1016) (112)
  2,3,7,8 - Tetrachlordibenzo-P-Dioxin
   (TCDD) (129)
  Endrin Aldehyde (99)
  Mercury (123)
XXNickel (124)
  Selenium (125)
XXSilver (126)
  Thalium (127)
  Zinc (128)
  Asbestos (116)
  Alkyl Epoxides
```

XX Sulfuric Acid XXHydrochloric Acid XX Nitric Acid Hydroflouric Acid Radioactive Nuclides BOD Greater than 350 mg/L COD Greater than 1000 mg/L Chromic Acid Phosphoric Acid Acetic Acid Temperature Greater than 122°F or 50°C TSS Greater than 350 mg/L Fats. 011, and Grease (FOG) Greater than 100 mg/L Sodium Hydroxide Potassium Hydroxide pH less than 5.5 pH greater than 9.0

DOINTEDE	CDOUT	SANITARY	DYCODYCO
DOMNERO	GRUVE	DANIIAKI	DISTRICT

Application for Industrial Discharge Permit

Page 7

C. Wastewater Analysis

Attach analytical laboratory reports for the sample(s) and parameters requested in the application form cover letter. These reports must include the analytical laboratory's name, address, telephone number, sampling dates, sample types (i.e., composite, grab, automatic or manual composite, etc.), a description of the sampling location, and the identity of the parameters with concentrations and units.

#### Section IV. Process Activities

A. List the manufacturing and/or service processes which occur at your facility and the volume of flow discharged from each process

Process Activity	Flow (Gals/Day)		
Cyanide Destruct	0-3,000		
pH Adjust	1500-8500		

Section V. Certified Wastewater Treatment Operator and Wastewater Treatment System (complete this section only if process wastewater is pretreated)

A. Certified wastewater treatment operator: (provide the name(s) of person(s) certified by the Illinois Environmenta Protection Agency as Industrial (Class K) Wastewater Works Operator for the pretreatment system in the facility for which this application is made.

Name	Frank Essig	Title	Safety Director
Name	Gary Kaupie	Title	Plater
Name		Title	
Name		Title :	

B. Time and duration of pretreatment system operation:

The system operates from: 6:30 A.M./XXXX to 12:00 XXXXXXXX Midnight Circle the days of the week in which operation occurs: S M T W T F S The pretreatment system discharge is: Continuous (X) Batch ()

DOWNERS GROVE SANITARY DISTRICT	T Application for Industrial Discharge Permit	Page 8
For batch treatment systems	, what volumes are discharged per batch and how many batches	per day?
Have plans of the pretreatme	ent system been submitted to and approved by the Downers Grov	e Sanitary District?
Date submitted: 12/84	Date approved:	-
ection VI. Statement of Compl	iance	
discharged from this facilit	this permit application, and to the best of your knowledge, ty able to meet the applicable pretreatment standards on a co	nsistent basis?
, Kenatika ,		anne per a de la companya de la comp
	tion and maintenance (0 & M) and/or additional pretreatment or reatment standards and requirements?	f the wastewater required
Yes No , Remarks:		
schedule or work plan showi	(B) is yes, the Industrial User must submit as part of this ng the shortest schedule for the User to provide such 0 & M in this application will become attached to and be part of the	application, a compliance and/or pretreatment. The

Not later than fourteen (14) days following each date in the schedule and the final date for compliance, the User shall submit a progress report to the District including, as a minimum, whether or not it complied with the increment of progress to be met on such date, if not, the date on which it expects to comply with this increment of progress, the reason for the delay, and the steps taken by the User to return construction to the schedule established. In no event shall more than six (6) months elapse between progress reports to the District.

The completion date for the construction and operation facilities required shall not be later than the compliance date established for the applicable pretreatment standard. In no case shall any increment of progress in the

submitted compliance schedule or work plan exceed six (6) months.

Section VII. Plant Layout Diagram

A. Attach a diagram of your facility's property indicating the location of each building on the premises. For each building, show the location of water meters, sewage flow meters, sanitary sewer lines and manholes, storm sewer manholes and streets.

Section VIII. Certification

A. This application must be reviewed and certified by a principal executive officer of the discharger as to the accuracy of the contents. If pretreatment is provided, the certification must be signed also by a qualified professional who is familiar with the treatment system.

I (we) declare that I (we) have examined this Industrial Wastewater Discharge Permit Application and certify that to the best of my (our) knowledge and belief, it is true, correct and complete.

#### Principal Executive Officer:

Frank Essig	Safety Director
Print Name	Title 9/17/85
Signature	Date
Qualified	Professional:
Print Name	Title
Signature	Date

It is the responsibility of the Industrial User to be aware of and in compliance with all federal, state and local rules, regulations, laws and ordinances as they pertain to the discharge of wastewaters generated at the User's face

# CORRECTED COPY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1984-EB-1508

DATE ISSUED: December 13, 1984

FINAL PLANS, SPECIFICATIONS, APPLICATION

LOG NUMBERS: 1508-84

AND SUPPORTING DOCUMENTS

PREPARED BY: Scientific Control Laboratories, Inc.

SUBJECT: TRICON INDUSTRIES, INC. -- Pretreatment System for Electroplating Rinsewaters (Downers Grove Sanitary District)

PERMITTEE TO CONSTRUCT, OWN AND OPERATE Tricon Industries, Inc. 2325 Wisconsin Downers Grove, Illinois 60515

Permit is hereby granted to the above designated permittee(s) to construct and/or operate water pollution control facilities described as follows:

Cyanide treatment consisting of a 493 gallon capacity concrete pit and controls for treating a design maximum flow of 90 gal. per hour of cyanide bearing rinse waters, pH adjustment consisting of a 441 gal. capacity concrete pit and controls for treating a design maximum flow of 505 gallons per hour of non-cyanide and treated cyanide bearing electroplating rinse waters, a 132 gal. neoprene lined steel inspection tank, construction only of a 1,897 gal. concrete pit for heavy metals settling and all necessary appurtenances with discharge of a maximum 8500 gal. per day (0 BOD PE) to the Downers Grove Sanitary District sewer system and wastewater treatment plant.

This Operating Permit expires on December 1, 1989.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: This permit does not authorize operation of the heavy metals settling stage of the treatment system. Should sampling show that treatment for heavy metals removal is needed then a supplemental operating permit shall be applied for and a written permit issued by IEPA prior to operation.

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:GS:jab/476E/1-3

cc: EPA - Region 2

Scientific Control Laboratories, Inc.

Downers Grove S.D. Industrial Unit Records Unit DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.E. Manager, Permit Section

IL 532-0009 WPC 146 Rev. 2/82

### CORRECTED COPY

### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1984-EB-1508 DATE ISSUED: December 13, 1984

FINAL PLANS, SPECIFICATIONS, APPLICATION LOG NUMBERS: 1508-84

AND SUPPORTING DOCUMENTS

PREPARED BY: Scientific Control Laboratories, Inc.

SUBJECT: TRICON INDUSTRIES, INC. -- Pretreatment System for Electroplating Rinsewaters (Downers Grove Sanitary District)

SPECIAL CONDITION 2: The operation of the pretreatment facilities must be under the direct and active field supervision of a certified industrial treatment plant operator in accordance with the State of Illinois Rules and Regulations, Title 35, Subtitle C, Chapter 1, Part 312.

SPECIAL CONDITION 3: The issuance of this permit does not relieve the permittee of the responsibility of complying with any limitations and provisions imposed by the Downers Grove Sanitary District.

SPECIAL CONDITION 4: All sludges and plating solutions generated on site shall be disposed of at a site and in a manner acceptable to the Agency.

SPECIAL CONDITION 5: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977. The guidelines developed for the Metal Finishing Point Source Category (40 CFR 413 Subpart A and 433.15) limits the Pollutants from facilities discharging less than 10,000 gpd as follows:

Compliance Date: June 30, 1984

Pollutant	$1-Day Max (mg/1)^{(2)}$	$4-\text{Day Avg } (\text{mg/1})^{(2)}$		
Cyanide (amenable)	5.0	2.7		
Lead	0.6	0.4		
	1.2	0.7		
Cadmium TTO(1)	4.57	· <b>-</b>		

Compliance Date: February 15, 1986

	$1-Day Max (mg/1)^{(2)}$	Monthly Avg (mg/1)(2)
Cyanide (total)	1.2	0.65
Copper	3.38	2.07
Nickel	3.98	2.38
Chromium (total)	<del></del>	
Zinc	2.61	1.48
Lead	0.69	0.43
Cadmium	0.69	0.26
Silver	0.43	0,24
TTO(1)	2.13	-

Continued on Page 3

### CORRECTED COPY

### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1984-EB-1508

DATE ISSUED: December 13, 1984

FINAL PLANS, SPECIFICATIONS, APPLICATION

LOG NUMBERS: 1508-84

AND SUPPORTING DOCUMENTS

PREPARED BY: Scientific Control Laboratories, Inc.

SUBJECT: TRICON INDUSTRIES, INC. -- Pretreatment System for Electroplating Rinsewaters (Downers Grove Sanitary District)

(1)TTO is the total toxic organics, which is the summation of all quantifiable values greater than 0.01 mg/l for the specified toxic organics in the regulation.

(2) These numbers do not reflect a reduction in the numerical limitations due to the contributing flow of sanitary wastes, non-contact cooling water, and other dilutional wastewaters not regulated by the limitations. If removal credits are given as per 40 CFR 403.7, the parameters may be modified accordingly.



### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

Tricon Industries
2325 Wisconsin Ave.
Downers Grove, Il. 60515
TRI Fac. ID #60515TRCNN2325W
May 24, 1996

Emergency Planning Unit Office of Chemical Safety Illinois EPA P.O. Box 19276 2200 Churchill Road Springfield, II. 62794-9276

Attn: Joe Goodner

To Whom It May Concern:

The required threshold quantity has not been exceeded for any listed toxic chemical during the 1995 reporting year.

If further information or documentation is required, please advise.

Sincerely,

Larry McDaniel
Plant superintendent
Tricon Industries



### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

Tricon Industries
2325 Wisconsin Ave.
Downers Grove, IL 60515
TRI Fac. ID #60515TRCNN2325W
May 27, 1994

Emergency Planning Unit Office of Chemical Safety Illinois EPA P.O. Box 19276 2200 Churchill Road Springfield, IL 62794-9276 (217) 785-0830

Attn: Joe Goodner

To Whom It May Concern:

The required threshold quantity has not been exceeded for any listed toxic chemical during the 1993 reporting year.

If further information or documentation is required, please advise.

Sincerely,

Larry McDaniel

Plant Superintendent Tricon Industries

Torry me Conce

Form Approved OMB No.: 2070-0093 01/91 Approval Expires:\_ (Kriporiant: Type or print; read instructions before completing form.) Page 1 of 5 U.S. Environmental Protection Agency **EPA FORM** SEPA TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM Section 313, Title III of The Superfund Amendments and Reauthorization Act of 1986 (This space for EPA use only.) FACILITY IDENTIFICATION INFORMATION PART I. 1.1 is this a sanitized copy? 1.3 Reporting Year Does this report contain trade secret information? X No (Do not answer 1.2) Yes (Answer 1.2) Yes No 1987 2. CERTIFICATION (Read and sign after completing all sections.) I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report. Name and official title of owner/operator or senior management official Ralph W. Grandle Signature Date signed July 1, 1988 3. FACILITY (DENTIFICATION Facility or Establishment Name Tricon Industries, Inc. This report contains information for: (check one) Street Address An entire covered facility. 2325 Wisconsin Avenue 3.1 3.2 CITY Part of a covered facility. Downers Grove Du Page State Illinois 1-14101716 Technical Contact Telephone Number (Include area code) 3.3 Frank Essig **Public Contact** Telephone Number (include area code) 3.4 Ralph W. Grandle Where to send completed forms: 0,8 1,4,7,3,0 8,0.2 U.S. Environmental Protection Agency Dun & Bradstreet Number(s) P.O. Box 70266 \*·0<sub>1</sub>0<sub>1-1</sub>5<sub>1</sub>0<sub>1</sub>8<sub>1-1</sub>4<sub>1</sub>1<sub>1</sub>2<sub>1</sub>4 .,1,\_,3,9,2,\_,9,7,4,9 Washington, DC 20024-0266 Attn: Toxic Chemical Release Inventory EPA identification Number (RCRA LD. No.) 3.8 \*·I,L,D,O,<u>O</u>,5,0 1, 2 .4 8, 4 NPDES Permit Number(s) 3.9 NA Name of Receiving Stream(s) or Water Body(s) NA ь. NA 3.10 C. NA Underground injection Well Code (UIC) Identification No. 3.11 PARENT COMPANY INFORMATION Name of Parent Company NA Parent Company's Dun & Bradstreet No.

# EPA FORM R PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

CHEMICALS ARE	TRANSFERRED IN WASTES			
1. PUBLICLY OWNED TREATMENT WO	EKE (BOTM)			_
Downers Grove Sanitary D			<del></del>	
Street Address 2710 Curtiss Street				
Downers Grove	Du Page			
State Illinois	5, 0,5, 1, 5, 4, 0, 5, 2			
2. OTHER OFF-SITE LOCATIONS - Num	ber these locations sequentially	on this and any addi	tional page of this form you us	<u>o .</u>
1 Other off-site location				
	Ni Di O i 1 i 6 i 3 i 6 i Oi 2 i 6 i 5			
Facility Name American Chemical Service	es			
Street Address 420 South Colfax				
Griffith	County Lake			
State Indiana	Zip  4, 6, 3, 1, 9, -, , , , ,			
la location under control of reporting facility or p	الياليا			
2 Other off-site location	Yes No			
	N, D, 9, 8, 0, 5, 9, 0, 9, 4, 7			
Facility Name Industrial Fuel			•	
Street Address 604 South Scott Street				
South Bend	County Cook			
State Indiana	4, 6, 6, 2, 4, -1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1			
is location under control of reporting facility or p				
3 Other off-site location				
EPA Identification Number (RCRA ID, No.)	A			
Facility Name Brush-Wellman				
Street Address South River Road			•	
Cleveland	County			
State Ohio	Zip 4 3 4 1 6 -1 1 1			
is location under control of reporting facility or p	parent company? X			
X Check if additional pages of Part II are attache	•			
				-

	 9 0	•
 _	 _	

	EPA FORM R									
	PART III. CHEMICAL SPECIFIC INFORMATION									
<u>.</u>	HEMICAL IDENTITY									
1.1	Trade Secret (Provid	le a generic	name in 1	.4 below. Atta	ch substan	tiation form to this	submission.)			
1.2	CAS # 0 0 0 1 2	7 - 1	8 -4	(Use leading ze	ros if CAS	number does not i	ill space provided.)	)		
1.3	Chemical or Chemical Category Tetrachloroeth	hylene (	Perchlo	roethylene	)					
1.4	Generic Chemical Name (Comple	ete only if 1.	1 is checked	.)						
	MIXTURE COMPONENT	IDENTITY	(Do not c	omplete this sec	tion if you	have completed S	ection 1.)	-		
2.	Generic Chemical Name Provide							nctuation)).		
3. A	CTIVITIES AND USES OF	THE CHE	MICAL ÄT	THE FACILIT	Y (Check	all that apply.)				
3.1	Manufacture: a.	Produce		b. Imp	ort	c.	For on-site use/processin	q		
	d.	For sale/	n	e. 🔲 As a	s byproduc	t f.	As an Impurit	у		
3.2	Process: a.	As a reac	tent		formulatio	on c.	As an article component			
	d	Repackag	ing only					· 		
3.3	Otherwise Used: a.	As a chen processing		b. As a	manufact	uring aid c.	X Ancillary or o	ther use		
4. N	AXIMUM AMOUNT OF TI	HE CHEM	ICAL ON	SITE AT ANY	TIME DU	RING THE CALE	NDAR YEAR			
	(enter code)		··	<del></del>						
5. R	ELEASES OF THE CHEMIC	CAL TO TH	E ENVIR	ONMENT						
	٠.			A. 1	otal Relea	190	B. Basis of Estimate			
You 1,30	may report releases of less I lbs. by checking ranges un	than Ider A.1.		A.1 Reporting 0 1-469	Ranges soc-oss	A.2 Enter Estimate	(enter code)			
5.1 F	fugitive or non-point air e	missions	5.1a	Х			5.1b O			
5.2 5	itack or point air emissior	ns	5.2a			10,742	5.2b O			
		.3.1	5.3.1a			NA-	5.3.1b	C. % From Stormwater 5.3.1c		
į	Enter letter code from Part I lection 3.10 for streams(s).) 5.	.3.2	5.3.2a			NA	5.3.2ъ	5.3.20		
	5.	.3.3	5.3.3a			NA	5.3.36	5.3.3c		
5.4	Underground Injection		5.4a			NA	5.4b			
	Releases to land		5.5.1a			NA	5.5.1b			
	5.5.2 (enter code)		5.5.2a			NA	5.5.2b			
	5.5.3 (enter code)		5.5.3a			NA	5.5.3b			
	(4/14/0005)		L	<del></del>						

-	* • "				EPA	FUR.VI	1. Part III	(Con	itinuea)		Page 4 d	of S
6. T	RANSFER	S OF TH	E CHEMIC	AL IN W			E LOCATIO	NS				
\ Y	on was tabo	rt transfers				Transfers			B. Basis of Est (enter co		C. Type of Treatment Disposal (enter c	nt/
7.4	of less than 1,000 lbs. by checking ranges under A.1.			A.1	T	A.2		(enter Co	Se,	Disposal (enter C	004)	
1			:	Rep:	orting Ra 1-499	nges 500-999	Enter Estimate					
<u> </u>					, 300	500-000						
6.1	Discharge	to POTW		X	- 1	1			6.1b			
6.2	Other off-s	ite location					NI A					<del>_</del> _
6.2	fEnter bloc from Part II	i, Section 2	ر ا			1	NA		6.25		6.2c	
6.3	Other off-s	ite location					NA	Ī	6.3b		6.3c	$\overline{\neg}$
	from Part I	. Section 2	.) [						0.30		0.36	<u> </u>
6.4	(Enter bloc		. 🔲		- 1		NA		6.4b		6.4c	$\neg$
		, Section 2		<u> </u>								=
	(Check if	additional	informatio	n is provid	ded on Pa	rt IV-Supp	plemental Info	ormati	ion)			
7. W	ASTE TOS	ATMEN	METHO	OLAND I	EEEICIEN	ICY					<del></del>	
A. Ger	neral		Treatmen		<del></del>	inge of	D. Seq	uentia	E. Treat	ment	F. Based on	
	stestream ter code)	1	Method (enter co		Ini	liuent oncentratio	Trea	tmen	t? Effici		Operating Data?	
		<u> </u>	,			nter code		icable			Yes	No
7.1a	NA	7.1b			7.1c		7.1d		7.10	%	7.11	
				=	+				-			二
7.2a		7.2b			7.2c		7.2d		7.20	*	7.21	
7.3a		7.3b			7.3c		7.3d		7.30	%	7.3f	
	=			=={	<del> </del>	<del>-  = </del>	_	_==	<del>-</del>			<del>=</del>
7.4a		7.4b			7.4c		7.46	<u> </u>	7.40	%	7.41	
7.5a		7.5b		7	7.5c		7.5d		7.50	*	7.51	$\sqcap$
	<del></del> _			==	-			<u> </u>				<b>≝</b>
7.6a		7.6b	لــــــــــــــــــــــــــــــــــــــ		7.6c	لنا	7.6d		7.60	%	7.61	
7.7a		7.7b			7.7c		7.7d		7.70	*	7.71	$\Box$
				==	<del>                                     </del>	<del>-                                    </del>	+	<del>-</del> =	<del>1</del>			=
7.8a		7.8b	<u> </u>		7.8c	<u></u>	7.8d	<u> </u>	7.84	*	7.8f	
7.9a		7.9b			7.9c		7.9d		7.96	%	7.91	
7.10a		7.10b		==-	7.10c		7.10d		7.100		7,101	一
7.10a	<u> </u>	7.100		<u> </u>	1	<u></u> _	7.100	<u> </u>	J /			느
7.11a		7.11b			7.110		7.11d		7.110	*	7.11f	
7.12a		7.12b		7	7.120		7.12d		7.120	%	7.121	
				=	+		<del>                                     </del>	_=	1 - 40-		1 - 4 11 1	青
7.13a		7.13b	<u> </u>		7.130	<u></u>	7.13d		7.13e	*	7.131	<u> </u>
7.14a		7.14b			7.140		7.14d		7.14e	%	7.14f	
Γ	(Chec	k if additi	onal Inform	ation is o	rovided o	n Part IV-	Supplementa	l infor	mation.)			
			O NOITA									
(Inc	licate actio	ons taken	to reduce	the amou	nt of the	chemical I	being release	d from	n the facility. So	e the Ins	tructions for coded	
							- wastastres		C. Index	7 0	Reason for action	
<b>,</b>	Type o	ation		rior to tre			e wastestres	•••	C. HOEX	."	(enter code)	
	(enter	C000)		~			Or percent			1		
			ľ	Current reporting	y	rior ear	change			1		
			,	ear (Ibs/	/T) (	be/yr)		ł			<b></b>	
		_	_					<u>*</u>				

## PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D,E, F, or 5.54, 5.55).

(This space for EPA use only.)

								1	
ADDITIONAL INFORM	ATION ON	ACILITY	IDENT	IFICATION	(Part I	- Section 3)			
3.5 SIC Code	, ,								
37	Dun & Bradstreet Number(s)								
0101-10171 EPA Identification Num			<del>    -</del>	<del></del>	1-11	1-1-1			
NPDES Permit Number			<del>-</del> -						
3.9			上						
3.10 Name of Receiving St	ream(s) or Wate	r Body(s)	<del> </del>		_	}			
450:5:00141 10:50504				4442 4 2					
ADDITIONAL INFORM		ELEASE	STOL		tal Releas (ibs/yr)			B. Basis of	
				A.1 Reporting F	<del>``</del>	A.2 Enter		Estimate (enter code)	
5.5	inter code)	5.5		1-400	500-000	Estimate	5.5	<b>b</b>	
5.5	inter code)	5.5	_				5.5		
	<u> </u>	<b></b>	<u> </u>	•	i ya y				
5.5 (	inter code)	5.5	<u> </u>				5.5		
ADDITIONAL INFORM	ATION ON C	FF-SITE	TRAN	SFER ( Pa	rt III - Se	ction 6)			
					Transfer (bs/yr)	•	B. Basis of Estimate	C. Type of Treatment/ Disposal (enter code)	
•				A.1 porting Ra	lbe/yr) nges	A.2 Enter Estimate		C. Type of Treatment/ Disposal (enter code)	
•··		6,a	Re 0	A.1	ibs/yr)	A.2 Enter	Estimate	C. Type of Treatment/ Disposal (enter code)	
6. Discharge to POTV  Other off-site locat  Enter block numbe	ion	6a		A.1 porting Ra	lbe/yr) nges	A.2 Enter	Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)	
6 Discharge to POTV  6 Other off-site locat (Enter block number from Part ii, Section Control off-site location (Control off-site location)	on 2.)	6a		A.1 porting Ra	lbe/yr) nges	A.2 Enter	6b	Disposal (enter code)	
6 Discharge to POTV  6 Other off-site locat (Enter block number from Part II, Section Part III)	on 2.)			A.1 porting Ra	lbe/yr) nges	A.2 Enter	Estimate (enter code)	Disposal (enter code)	
6. Discharge to POTV  6. Other off-site locat (Enter block number from Part II, Section Part II, Sec	tion	6a	0	A.1 eporting Rar 1-499	tbe/yr) ngee	A.2 Enter Estimate	Estimate (enter code)  6b  6b  6b	6c	
6. Discharge to POTV  6. Cther off-site locat (Enter block numbe from Part ii, Section (Enter block numbe from Part ii, Section Part ii, Section Part ii, Section Part ii, Section Part iii, Sec	MATION ON THE MO	6a	REATI	MENT (Par C. Range Conce	ngee	A.2 Enter Estimate	6b	6c  F. Based on Operating Data?	
6 Discharge to POTV  6 Other off-site locat 6 (Enter block number from Part II, Section of the locat number from Part II, Section of the location of the locatio	AATION ON THE MA	6a 6a WASTE T	REATI	MENT (Par C. Range Influer Conce (enter	rt III - Se of it	A.2 Enter Estimate  ction 7)  D. Sequential Treatment? (check if	Estimate (enter code)  6b  6b  6b  E. Treatment Efficiency	6c  F. Based on Operating	
6. Discharge to POTV 6. Other off-site locat 6. (Enter block numbe from Part II, Section 6. Other off-site locat (Enter block numbe from Part II, Section ADDITIONAL INFORM A. General Wastestream (enter code)  7a	MATION ON B. Tre	6a 6a WASTE T	REATI	MENT (Par C. Range Influence (enter	rt III - Se of it	A.2 Enter Estimate  ction 7)  D. Sequential Treatment? (check if applicable)  7d	Estimate (enter code)  6b  6b  6b  7e	F. Based on Operating Data? Yes No	
6 Discharge to POTV 6 Other off-site locat 6 (Enter block numbe from Part 8, Section 6 Other off-site locat (Enter block numbe from Part 8, Section ADDITIONAL INFORM A. General Wastestream (enter code)  7a 7a	### AATION ON TO A	6a 6a WASTE T	REATI	MENT (Par C. Range Influer Conce (enter	rt III - Se of it	A.2 Enter Estimate  ction 7)  D. Sequential Treatment? (check if applicable)  7d  7d	Estimate (enter code)  6b	F. Based on Operating Data? Yes No 7f	
6. Discharge to POTV  6. Other off-site locat 6. (Enter block numbe from Part 8, Section off-site locat from Part 8, Section off-site locat from Part 8, Section off-site locate from Part 8, Section off-site locate from Part 8, Section of Sect	7b	6a 6a WASTE T	REATI	MENT (Par C. Range influer Conce (enter	rt III - Se of it	A.2 Enter Estimate  ction 7)  D. Sequential Treatment? (check if applicable)  7d  7d  7d	Estimate (enter code)  6b	F. Based on Operating Data?	
6 Discharge to POTV 6 Other off-site locat 6 (Enter block numbe from Part 8, Section Part 8, Sect	### AATION ON TO A	6a 6a WASTE T	REATI	MENT (Par C. Range Influer Conce (enter	rt III - Se of it	A.2 Enter Estimate  ction 7)  D. Sequential Treatment? (check if applicable)  7d  7d	Estimate (enter code)  6b	F. Based on Operating Data? Yes No 7f	

	i i
	0.101

Parent Company's Dun & Bradstreet No. EPA Form 9350-1 (1-88)

(Impo	ortant: Type or print; read instructi	ons before completin	g forn	1.)			Page 1 of 5
	U.S. E						
Ş	EPA TOXIC CHEMICAL F	EPA FORM					
•		14				<b>O</b> (1)	D.
	Section 313, Title III of The Sup	erfund Amendment	s and	Reauthori	ization	Act of	1986
				1 - 1 - 1			(This space for EPA use only.)
	PART I. FACILITY IDEN	TIFICATION INFORM	ÁATIO	AI		:	[ ]
	PART I. PACIENT IDEN	TIFICATION INFOR	VIA I IC				] ]
							11
							11
			1, 1				
1.	1.1 Does this report contain trade secret Info		1.2	Is this a sar		•	1.3 Reporting Year
Ì	Yes (Answer 1.2) X No (C	o not answer 1.2)		Yes	L	No	1988
2. C	ERTIFICATION (Read and sign after con	ipleting all sections.)					
l here	by certify that I have reviewed the attache	ed documents and that.	to the b	est of my k	nowledg	e and be	elief, the submitted information is true
and c	omplete and that the amounts and values s report.	in this report are accura	te base	d on reason	able esi	imates u	sing data available to the preparers
	and official fittle of owner/operator or senior ma	nagement official	<del>-i</del>				
	Ralph W. Gr					,	ľ
5		and re	<del></del>		10-1-	-14	
S gnat		(N)	į		Date	bengia	11/10/00
	/alpen /	mille	<u>:</u>				11/10/89
3. F.	ACILITY IDENTIFICATION						
	Facility or Establishment Name		1.		<b>,</b>		
1	Tricon Industries	, Inc.	:	<u> </u>	_	This re	port contains information for: (check one)
1	Street Address			i	† <b> </b>	তি	An entire covered facility.
3.1	2325 Wisconsin Av		· .		3.2	a. [4]	,
	Downers Grove	County	2		.	ь. Ц	Part of a covered facility.
}		Zip Code	-1. :		_	٠,	:
i	Illinois	6 0 5 1	ξ.	4 0 7	k		
	Technical Contact	10101217	<u> </u>	3 4 1	Teler	hone Nun	nber (include area code)
3.3	Frank Essig				1 . '		4 - 2330
	Public Contact		g + il				nber (include area code)
3.4	Ralph W. Grandle				170	8 96	4 - 2330
	a. SIC Code b. c.			j. 1	T		
3.5	3, 6 3 3 2 8 9, 9 3, 0, 7,	9			- 1		· · · · · · · · · · · · · · · · · · ·
	Latitude Longitude			7 E.		14/1	
3.6	0, 4, 1, 4, 7, 3, 0, 0, 8, 8, 0,		34		1	1	nere to send completed forms:
	Dun & Bradstreet Number(s)		· : .	<del>'</del>			.S. Environmental Protection Agency .O. Box 70266
3.7	0 0 - 5 0 8 - 4 1 2 4	111-1319121-	7ו פו	14 19	Ì	٧	Vashington, DC 20024-0266
	EPA Identification Number (RCRA I.D. No.)	b.	: 1	411		. ^	ttn: Toxic Chemical Release Inventory
3.8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4   I L   T, 1, 8	0,0,	1,9,8	7, 9		
3.9	NPOES Permit Number(s)	b	1458				
3.9	a. NA	1 1 1 1 1 1	1_1		NA		
	Name of Receiving Stream(s) or Water Body(s	<b>i</b> ,					
	a. NA	(1.1					
3.10	ъ.			1			ļ.
3.10	NA.	· · · · · · · · · · · · · · · · · · ·					
	c.				1		
	NA	i i					
3.11	Underground Injection Well Code (UIC) Identific	1 .					
		A		1			
4. F	ARENT COMPANY INFORMATION			1			
4.1	Name of Parent Company	· · · · · · · · · · · · · · · · · · ·		-11			
٠٠٠	NA.	11	1	1.			•

· ·	المستميد ومستمير	. January, and a sea by a		
//mmartant: INDO At	' mrint' rena	instructions no	71010 COM	DIGITO TAPPO
(Immortant: Type or	$p_{i_1, \dots, i_r}$ , $i_r \in \mathbb{Z}$	THE PERSON OF	,, 0, 6 60,,,	PICCING JUING

PA Form 9350-1(1-88)

Page	2	of	5
------	---	----	---

EPA FORM R

(This space for EPA use only.)

1. PUBLICLY OWNED TREATMENT WORKS (POTW)  Facility Name	use.
Facility Name Downers Grove Sanitary District  Street Address 2710 Curtiss Street  City Downers Grove  County Du Page  State Illinois  Zip 0,5,1,5,-,4,0,5,2  2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form you of the control of	use.
Downers Grove  Du Page  State  Illinois  2ip 6, 0,5, 1,5,4,0,5,2  2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form your sequential page of the form your sequential page	use.
Downers Grove  Du Page  State  Illinois  2ip 6, 0,5, 1,5,4,0,5,2  2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form your sequential page of the form your sequential page	use.
Illinois    2ip   6, 0, 5, 1, 5, -1, 4, 0, 5, 2     2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form you can be considered the sequential of the seq	u use.
2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form you there off-site location  EPA Identification Number (RCRA ID. No.) I   Ni Di O i I   61316   0121615  Facility Name American Chemical Services	use.
EPA Identification Number (RCRAID, No.) I 1 Ni Di O il 1 61316 1 0121615  Facility Name  American Chemical Services	
American Chemical Services	•
420 South Colfax	
Griffith County Lake	
Indiana 4, 6, 3, 1, 9, 1, 1	
Other off-site location  EPA Identification Number (RCRA ID. No.) I, N, D, 9, 8, 0, 5, 9, 0, 9, 4, 7  Facility Name Industrial Fuel	
Street Address 604 South Scott Street	
South Bend Cook	
Indiana 2, 4, 6, 6, 2, 4, -1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
is location under control of reporting facility or parent company?	
3 Other off-site location	; .
EPA Identification Number (RCRA D. No.) N A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Brush-Wellman	
Surest Address South River Road	•
Cleveland	
Ohio 219 4 3 4 1 6 1 -1 1 1	
Is location under control of reporting facility or parent company?    X   Yes   No	

# PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

_	(This	space	for	EPA	use	only. ]

CHEMICALS ARE	TRANSFERRED IN WASTES	
	The state of the s	
1. PUBLICLY OWNED TREATMENT WO	PRKS (POTW)	
Facility Name		
Street Address		
City	County	
State	Zip	
2. OTHER OFF-SITE LOCATIONS - Nu	mber these locations sequentially	y on this and any additional page of this form you use.
4 Other off-site location		
EPA Identification Number (RCRA ID. No.)	A	
Facility Name Dulin Metals Company		
Stroet Address 2250 Pratt Blvd.		T
Elk Grove	county Cook	
Illinois	6101010171-111	
is location under control of reporting facility or	الماليا الما	
Other off-site location  EF identification Number (RCRA ID. No.)	Yes No	
Facility Name		
Street Address		
City	County	
State	Zip	
is location under control of reporting facility or	parent company?	
Other off-site location	Yes No	
EPA identification Number (RCRA ID. No.)		<b>1</b> .
Facility Name		
Street Address		
City	County	
State	Zip	
is location under control of reporting facility of	parent company?	
	Yes No	
Check if additional pages of Part II are attac	hed.	

(Important: Type or print; read instruc	tions bejo	ore co.	npieling	jorm.)	<del></del>		Page 3 of 5			
EI PART III. CHEMIC	(This	space for EPA use only, ]								
1. CHEMICAL IDENTITY										
Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)										
1.2 CAS # h h 0 1 2 7 - 1 8 - 4 (Use leading zeros if CAS number does not fill space provided.)  Chemical or Chemical Category Name										
Tetrachloroethylene (Perchloroethylene)										
Goneric Chemica: Name (Complete only if 1.1 is checked.)										
MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.)										
2. Generic Chomical Name Provided by Supplier							nctuation)).			
3. ACTIVITIES AND USES OF THE CHE	MICAL AT	THE	FACILITY	(Check	all that apply.)					
3.1 Manufacture: a. Produce		þ.[	Impo	rt i	c. [	For on-site use/processin	g			
d. For sale/	n i	e.[	As a	byproduc	r. [	As an impurit	y i			
3.2 Process: a. As a read	tant .	ъ.[		ormulation	on c.	As an article				
			comp	onent	; ; ; ,	component				
d. Repackag						: 				
3.3 Otherwise Used: a. As a chen processing		ь.	As a	тапитас	turing aid c.	X Ancillary or o	ther use			
			1 ( ) ) 			10.4.0.1/5.4.0				
4. MAXIMUM AMOUNT OF THE CHEM	ICAL ON	SILE	II ANT. I	IME DO	HING THE CALE	IDAR YEAR	:			
03 (enter code)	!	144								
5. RELEASES OF THE CHEMICAL TO TH	IE ENVIR	ONME				1				
	<u> </u>			tal Relea (lbs/yr)	1 '	B. Basis of Estimate				
You may report releases of less than 1,000 lbs. by checking ranges under A.1.		, R	A.1 eporting F 1-469	anges 500-000	A.2 Enter Estimate	(enter code)				
5.1 Fugitive or non-point air emissions	5.1a		x			5.1b O	į			
5.2 Stack or point air emissions	5.2a		1 1		9,862	5.2b 0				
5.3 Discharges to water 5.3.1	5.3.1a				N/A	5.3.1b	C. % From Stormwater 5.3,1c			
(Enter icitor code from Part I Section 3, 10 for streams(s).) 5,3,2	5.3.2a	<u>                                     </u>				5.3.2b	5.3.2c			
5.3.3	5,3.3a				NA NA	5.3.3b	5.3.3c			
5.4 Underground injection	5.4a	-			NA .	5.4b				
5.5 Releases to land					N/A					
5.5.1 (enter code)	5.5.1a				NA NA	5.5.1b	1			
5.5.2 (enter code)	5 5.2a				N/A	5.5.2b				
5.5.3 (enter code)	5.5.3a		j. i	11	NA.	5.5.35				
(Check if additional information is provided on	Part IV-Su	plemen	al informat	on.)						
EPA Form 9350-1(1-88)		7	- 10 de 11			<del></del>	<u> </u>			

Appendix 3

### Appendix 3(d)

Page 4 of 5									
6. TRANSFERS OF THE CHE	MICAL IN WASTE TO OF	F-SITE LOCATIONS							
You may report transfers of less than 1,000 lbs. by checkin ranges under A.1.	A.Total Trans (lbs/yr)		B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)					
	i A.1   1 Reporting Ranges 0 1-499 500-1	A.2 Enter egg Estimate							
6.1 Discharge to POTW	<b>X</b>		6.1b						
6,2 Other off-site location (Enter block number from Part II, Section 2.)		NA	6.2b	6.2c					
6.3 Other off-site location (Enter block number from Part II, Section 2.)		NA NA	6.3b	6.3c					
6.4 Other off-site location (Enter block number, from Part II, Section 2.)		NA NA	6.4b	6.4c					
(Check if additional inform	ation is provided on Part IV	The state of the s	tion)						
7. WASTE TREATMENT MET	HODS AND EFFICIENCY	1	· · · · · · · · · · · · · · · · · · ·						
A.General B. Troat Wastestream (enter code) (enter	ment C. Range of Influent code) Concent (enter of	tration Treatme	nt? Efficiency Estimate	F. Based on Operating Data? Yes No					
7.1a A 7.1b A	0 2 7.1c [	3 7.1d	7.10 85	% 7.1f X					
7.2a 7.2b	7.2c	7.2d	7.2e	% 7.21					
7.3a 7.3b	7.3c	7.3d	7.3e	% 7.3f					
7.4a 7.4b	7.4c	7.4d	7.4e	% 7.4f					
7.5a 7.5b	7.5c	7.5d	7.5e	% 7.5f					
7.6a 7.6b	7.6c	7.6d	7.6a	% 7.6f					
7.7a 7.7b	7.7c	7.7d	7.7a	% 7.7f					
7.8a 7.8b	7.8a [	7.8d	7.8e	% 7.8f					
7.9a . 7.9b	7.9a	7.9d	7.9e	% 7.91					
7.10a 7.10b	7.10c	7.10d	7.10e	% 7.10f					
7.11a 7.11b	7.110	7.11d	7.11e	% 7.11f					
7.12a 7.12b	7.12c	7.12d	7.120	% 7.12f					
7.13a 7.13b	7.13c	7.13d	7.13e	% 7.13f					
7.14a 7.14b	7.14c	7.14d	7.140	% 7.14f					
(Check if additional information is provided on Part IV-Supplemental Information.)									
(Indicate actions taken to rec	OPTIONAL INFORMATION ON WASTE MINIMIZATION     (Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)								
	B. Quantity of the chemical prior to treatment/dispo	In the wastestream	C. Index	O. Reason for action (enter code)					
	Current Prior reporting year (lbs/yr) (lbs/y	Or percent change							
		%							



## PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D,E, F, or 5.54, 5.55).

(This space for EPA use only.)

ADDITIONAL INFORMATION ON FACILITY IDENTIFICATION (Part I - Section 3)										
3.5 SIC Code										
3.7 Dun & Bradstreet Number(s)										
3.8 EPA Identification Number(s) RCRA I.D. Ng.)										
NPDES Permit Number(s)										
Name of Receiving Stream(s) or Water Body(s)										
3.10										
ADDITIONAL INFORMATION ON RELEASES TO LAND ( Part III - Section 5.5)										
Releases to Land		A. To	tal Release (lbs/yr)	)		. Basis of Estimate				
		A.1 Reporting F		A.2 Enter Estimate		(enter code)				
5.5 (enter code)	5.5a				5.5_	_ □				
5.5 (enter code)	5.5a				5.5_					
5.5 (enter code)	5.5a		11/2		5.5_	_				
A DOUTION AND INCOMINATION ON A	SE OFF T	DANGEED / On	- 441 - 844	tion (1)		<del></del>				
ADDITIONAL INFORMATION ON C	FF-SITE TI	A. Total	Transfers	tion 6)	B. Basis of	C. Type of Treatment/				
ADDITIONAL INFORMATION ON C	FF-SITE TI	A.Tota	Transfers (bs/yr)	A.2	B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)				
	FF-SITE TI	A.Tota	Transfers (bs/yr)		Estimate	C. Type of Treatment/ Disposal (enter code)				
	FF-SITE TI	A.Total	Transfers Ibs/yr)	A.2 Enter	Estimate	C. Type of Treatment/ Disposal (enter code)				
		A.Total A.1 Reporting Rai 0 1-499	Transfers Ibs/yr)	A.2 Enter	Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)				
6 Discharge to POTW  Other off-site location (Enter block number		A.Tota A.1 Reporting Ra 0 1-498	Transfers be/yr) nges s00-999	A.2 Enter	Estimate (enter code)					
6 Discharge to POTW  6 Other off-site location (Enter block number from Part II, Section 2.)  6 Other off-site location (Enter block number from Part II, Section 2.)	6a 6a 6a	A.Total A.1 Reporting Ra 0 1-499	Transfers Ibs/yr) nges 500-999	A.2 Enter Estimate	Estimate (enter code)  6b	6c				
6 Discharge to POTW  6 Other off-site location (Enter block number from Part II, Section 2.)  6 Other off-site location (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)	6a 6a 6a waste this satment those	A.Total A.1 Reporting Ra 0 1-499  EATMENT (Pai	Transfers Ibs/yr) nges 500-909	A.2 Enter Estimate  tion 7)  D. Sequential Treatment?	Estimate (enter code)  6b	6c				
6 Discharge to POTW  6 Other off-site location (Enter block number from Part II, Section 2.)  6 Other off-site location (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)	6a 6a  WASTE TRI	A.Total A.1 Reporting Rai 0 1-499 C. Range Influer Conce	Transfers Ibs/yr) nges 500-909	A.2 Enter Estimate	Estimate (enter code)  6b	6c				
6 Discharge to POTW  6 Other off-site location (Enter block number from Part II, Section 2.)  6 Other off-site location (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)	6a 6a 6a waste this satment those	A.Total A.1 Reporting Rai 0 1-499 C. Range Influer Conce	rt III - Section r code)	A.2 Enter Estimate  tion 7)  D. Sequential Treatment? (check if	Estimate (enter code)  6b	6c  6c  F. Based on Operating Data?				
6 Discharge to POTW  6 (Enter off-site location (Enter block number from Part II, Section 2.)  6 (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)	6a 6a 6a waste this satment those	A.Total A.1 Reporting Rai 0 1-499 C. Range Influer Conce (enter	Transfers Ibs/yr)  nges s00-999  rt III - Sect of rt entration r code)	A.2 Enter Estimate  Lion 7)  D. Sequential Treatment? (check if applicable)	Estimate (enter code)  6b	6c				
6 Discharge to POTW  6 (Enter block number from Part II, Section 2.)  6 (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)  7a 7b	6a 6a 6a waste this satment those	A.Total A.1 Reporting Rai 0 1-499 C. Range Influer Conce (enter	Transfers Ibs/yr) Inges S00-909  It III - Sect Of It Introde  7	A.2 Enter Enter Estimate  tion 7)  D. Sequential Treatment? (check if applicable)	Estimate (enter code)  6b	6c				
6 Discharge to POTW  6 Other off-site location (Enter block number from Part II, Section 2.)  6 Other off-site location (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)  7a	6a 6a 6a waste this satment those	A.Total A.1 Reporting Rai 0 1-499 C. Range Conte	Transfers bs/yr) nges soo-soo   It III - Sect of the source of the sourc	A.2 Enter Estimate  tion 7)  D. Sequential Treatment? (check if applicable)	Estimate (enter code)  6b	6c				
6 Discharge to POTW  6 Other off-site location (Enter block number from Part II, Section 2.)  6 (Enter block number from Part II, Section 2.)  ADDITIONAL INFORMATION ON A. General Wastestream (enter code)  7a	6a 6a 6a waste this satment those	A.Total A.1 Reporting Rai 0 1-499 C. Range influer Conce (enter 70 70 70	Transfers Ibs/yr) Inges S00-909  It III - Sector of it intration r code)  7	A.2 Enter Estimate  Lion 7) D. Sequential Treatment? (check if applicable) d	Estimate (enter code)  6b	6c				

	Form Approved OMB No.: 2070-0093									
ப (Impo	riani: Type	or print; rea	d instruction	is before c	omplețin	g forn	1.)	Apş	proval Expire	s: 01/91 LJ Page 1 of 5
	EPA TOXIC CI Section 313	J.S. Environment HEMICAL Rights of the Emerger	ntal Protection	n Agency NVENTOF	RY REP	ORTII	NG FORI		collection of vary from 30 with an average, in Instructions, sources, gat data neede reviewing the	orting burden for this information is estimated to to 34 hours per response, verage of 32 hours per cluding time for reviewing searching existing data hering and maintaining the d, and completing and a collection of information.
EPA	PART I.  FACILITY IDENTIFICATION INFORMATION  Amendments and Read  (This sp					ace for	your option	nal use.)	Send comme estimate or collection of suggestions Chief, info (PM-223), U Washington, Burden and t and Regula	ents regarding this burden any other aspect of this of information, including for reducing this burden, to creation Policy Branch JS EPA, 401 M St., SW, O.C. 20460 Attn: TRI to the Office of information itory Affairs, Office of I and Budget Paperwork Project (2070–0093),
1.	[ ] yes	claiming the chemi (Answer question ich substantiation	1,2: [X]	age 3 trade so No (Do not a Go to questio	nawer 1.2:	1.2	If "Yes" in	<i>r</i> 1	s copy:	1.3 Reporting Year 19 <u>69</u>
		N (Read and s ave reviewed the a amounts and value				of my ki	nowledge and estimates us	bellef, the	submitted infor	mation is true and reparers of this report,
Name	and official title	of owner/operato	r or senior mana							
Signat	uro // /	164.7	Land	W;				05/01		
3. F/		NTIFICATION				W	HERE TO	SEND	COMPLE	TED FORMS:
3.1	TRICON INDUS Street Address 2325 WISCONS					WHERE TO SEND COMPLETED FORMS:  1. EPCRA REPORTING CENTER P.O. BOX 23779				
5.1	DOWNERS (	GROVE	···	County DUPAGE		WASHINGTON, DC 20026-3779 ATTN: TOXIC CHEMICAL RELEASE INVENTORY				
	State			21p Code 60515					TE OFFICE	(See Instructions
	60515TRC					in Appendix G)				
3.2	This report con	tains information (	for (Check only o		An entire fa	cility	ъ. [	Part of a	facility.	. <u></u>
3.3	Technical Cont							1	Number (inclu 964-2330	ide area code)
3.4	Public Contact RALPH GR				•		,	Telephone	Number (Inclu 964-2330	ide area code)
3.5	SIC Code (4 di	olt)	ra	c.		d.		1,007.	304 2000	1.
		Latitu							Longitude	
3.6		041	inutes 47	Seconds 30	·		O88	M	nutes 02	Seconds 30
3.7	a. 00-508-	4124				b.	NA			
3.8	a. ILD0050	ion Number(s) (5) 84124	CRA I.D. No.) 			ъ.	NA			
3.9	NPDES Permit	Number(s)				<b>b</b> .				
	Receiving Stre	ams or Water Boo	Hee (enter one n	ame per box)		b.				
3.10	с.					đ.				
	•.					ļ				1
3.11		jection Well Code	(UIC) Identificat	lion Number(s	) -==-	<b>b</b> .	NA			
4.		MPANY INPO	RMATION			Ţ				
4.1	Name of Pare					4.2	Parent Come	eny's Dun	& Bradetreet N	Limber
EPA	Form 9350-1	(1-90) Reviee	d - Do not us	orevicus v	erelone					

Important:	Type or	nrint: real	instructions	before	completing	form.

Page 2 of 5

& EPA

# PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

(This space for your optional use.)

CHEM	ICALS ARE TRANSFERRE	D IN WASTES					
1. PUBLICLY OWNED TREATMENT WORKS (POTWs)							
1.1 POTW name DOWNERS GROVE SANITARY DIST	RICT	1.2 POTW name					
Street Address 2710 CURTISS STREET		Street Address					
DOWNERS GROVE	County DUPAGE	City	County				
State IL	21p 60515	State	Zıp				
2. OTHER OFF-SITE LOCATIONS	(DO NOT REPORT LOCATIONS TO	D WHICH WASTES ARE SENT ONLY FOR R	ECYCLING OR REUSE).				
2.1 Off-site location name	· · · · · · · · · · · · · · · · · · ·	2.2 Off-site location name					
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)					
Street Address		Street Address					
City	County	City	County				
State	Zip .	State	Zip				
Is location under control of reporting facility	or parent company?	is location under control of reporting facility (	or parent company?				
	[ ]ves [ ]No		[ ] <sub>Yes</sub> [ ] <sub>No</sub>				
2.3 Off-site location name		2.4 Off-site location name					
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID, No.)					
Street Address		Street Address					
City	County	City	County				
State	Zip	State	Zip				
Is location under control of reporting facility	or parent company?	is location under control of reporting facility	or parent company?				
	[ ] Yes [ ] No	·	[ ] <sub>Yes</sub> [ ] <sub>No</sub>				
2.5 Off-site location name		2.6 Off-site location name					
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)					
Street Address		Street Address					
City	County	City	County				
State	Zip	State	Zip				
is location under control of reporting facility	y or parent company?	is location under control of reporting facility or parent company?					
	[ ]Yes [ ]No		[ ] <sub>Yet</sub> [ ] <sub>No</sub>				
Check if additional segme of Part II ar	e attached. How many?						

mportant:	Type	or print:	read	instructions	before	completing	form.
	•.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	U. p			-,-,-		, , ,

Page	3	of	5
------	---	----	---

**⊕**EPA

# EPA FORM R PART III. CHEMICAL-SPECIFIC INFORMATION

(This	space	for	your	optional	use.

1. 0	CHEMICAL IDENTITY(Do not complete	this sec	ction if	ou c	omplete	Sec	ction 2.)				
1.1	[Reserved]										
1.2	CAS Number (Enter only one number exact 000127184	ly as it a	ppears or	the 3	313 Het. E	nte	NA If reporting a chemica	al category.)			
1.3	Chemical or Chemical Category Name TETRACHLOROETHYLENS	(Enter or	nly one n	MTHE BI	xactly as i	t ap	pears on the 313 list.)				
1.4	Generic Chemical Name (Complete only II	f Part I, I	Section 1	. 1 is c	shecked "Y	/es.	* Generic name must be s	structurally descripti	Ve.)		
2.	MIXTURE COMPONENT IDENTITY (Do not complete this section if you complete Section 1.)  Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation).)  N1										
3. /	3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)										
	Manufacture the If produce or import: chemical: [] For on-site   [] For sale/										
3.1	a. Produce				use/pro	COS	sing d.L.	distribution			
	b. [ ] Import		•	1 1	As a by	pro	duct f. [	As an impurity			
3.2	Process the chemical:  a. [] As a reactant b. [] As a formulation c. [] As an article component c. [] Repackaging only										
3.3	Otherwise use [ ] As a chemical [ ]										
4. 1	4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR										
[	(enter code)										
5. F	RELEASES OF THE CHEMICAL TO TH	E ENV	IRONN	ENT	ON-SI	ΓE					
					A. Tota (pour		vear)	B. Basis of Estimate	C. % From Stormwater		
1.0	rmay report releases of less than 00 pounds by checking ranges under A.1 not use both A.1 and A.2)	•	A.1 Reporting Ranges 1-10 11-99 500-999 Estimate				Enter	(enter code)			
5.1	Fugitive or non-point air emissions	5.1a	[ ]	[	][	]	NA	5.1b			
5.2	Stack or point air emissions	5.2a	[ ]	[	][	]	00000017000	5.2b			
5.3	Discharges to receiving streams or water bodies 5.3.1	5.3.1a	[ ]	[	][	]	NA	5.3.1b	5.3.1c <sub>00</sub> %		
	(Enter letter code for stream from Part I Section 3, 10 in 5, 3, 2 the box provided.)	5.3.2a	[ ]	[	][	]		5.3.2b	5.3.2c 🐾		
	5.3.3	5.3.3a	[ ]	[	][	1		5.3.36	5.3.3c %		
5.4	Underground injection on-site	5.4a			1[	1	NA	5.45			
5.5	Releases to land on-site	5.5.1a	1	ſ	1 [	1		5.5.1b			
	5.5.1 Landfill	3.3.12	1	<u>. l</u>	11		NA	10.0.10			
	5.5.2 Land treatment/application farming	5.5.2a	[ ]	[	][	]	NA	5.5.2b			
	5.5.3 Surface impoundment	5.5.3a	[ ]	[	][	<u>]</u>	¥1	5.5.36			
	6.6.4 Other disposal	5.5.4a	[ ]	[	][	]	Nr	5.5.4b			
	(Check if additional information is provided on	Part IV-I	Suppleme	ntal in	formation.	. }					

•			-									
Constant Tune	read in	·····ailana kufasa aan	oloden farm )									
Important: Type	or print; read ins	structions before comp	pleting jorm.j		Page 4 of 5							
<b>⊕</b> EPA		EPA FORM R		(This space	e for your optional use.)							
	PART III. C	CHEMICAL-SPECIFIC (continued)	INFORMATION									
6. TRANSFERS	6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS  A. Total Transfers  B. Basis of Estimate   C. Type of Treatment/											
You may report tr of less than 1,000 checking ranges up	pounds by	A. Total Trans (pounds/ye		B. Basis of Estimate	C.Type of Treatment/ Disposal							
not use both A.1 a		Reporting Ranges	Enter . Estimate	(enter code)	(enter code)							
Discharge to F (enter location 6,1,1 from Part 8, S	n number   .     At    [	[x][][]	KA	6.1.1b 0								
Other off-site fenter location 6.2.1 from Part II, S	location n number Section 2.) 2 01		NA	6.2.1b NA	6.2.1c M							
Other off-site (enter location 6.2.2 from Part II, S				6.2.2b	6.2.2c M							
Other off-site (enter location 6.2.3 from Part II, S	location			6.2.3b	6.2.3c M							
[ ](Check if ac	dditional information	Is provided on Part IV-S	Supplemental Informati	ion.)								
7. WASTE TREATMENT METHODS AND EFFICIENCY  [ ] Not Applicable (NA) - Check if no on-site treatment is applied to any wastestream containing the chemical or chemical												
A. General	categor B. Treatment	C. Range of	D. Sequential	E. Treatment	F. Based on							
(enter code)	Method (enter code)	Influent Concentrat (enter code		Efficiency Estimate	Operating Data? Yes No							
7.1a A 7	7.1b A 0 2	7.1c 3	7.1d [ ]	7.1e 085 %	7.1f [ ] [ I ]							
7.2a 7	7.2b NA	7.2c NA	7.2d [ ]	7.2e 00 %	7.21 [ ] [ ]							
7.3a	7.3b	7.3c	7.3d [ ]	7.39 %	7.3f [ ] [ ]							
7.4a 7	7.4b	7.4c	7.4d [ ]	7.40 %	7.41 [ ] [ ]							
7.5a 7	7.5b	7.5c	7.5d [ ]	7.5e %	7.51 [ ] [ ]							
7.6a	7.6b	7.6c	7.6d [ ]	7.6e %	7.6f [ ] [ ]							
7.7a 🔲 7	7.7b	7.7c	7.7d [ ]	7.7e %	7.71 [ ] [ ]							
7.8a 🔲 7	7.8b	7.8c	7.8d [ ]	7.80 %	7.8f [ ] [ ]							
7.9a 🗌 7	7.9ь	7.9c	7.9d [ ]	7.90 %	7.9f [ ] [ ]							
7.10a	7.106	7.10c	7.10d [ ]	7.10e %	7.10f [ ] [ ]							
[ ](Check if a	dditional information	is provided on Part IV-5	Supplemental Informat	lon.)								
(Indicate action	ns taken to reduce t	PTIONAL INFORMATION IN THE PROPERTY OF THE PRO	ON ON WASTE MIN cal being released fro	IIMIZATION m the facility. See the	Instructions for coded							
A. Type of Modification (enter code)	B. Quantity of	of the Chemical in Waste reatment or Disposal	)1	C. Index	D. Reason for Action (enter code)							
(Gires coop)	Current reporting	Prior I year I	Or percent change (Check (+) or (-))									
M	year {pounds/year	(pounds/year)   [	+ - %		R							

R

(In	nportant:	Type	or	print:	read	instructions	before	completine	form.	)
	ישיעו ושיעו	• • •	.,,	,,,,,,,,		***************************************	00,000	COMPLETING	, , , , , , ,	,

2	F	P	Δ
v	L	F .	~

## EPA FORM R PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III. Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

(This space for your optional use.)

ADDITIONAL INFORMATION ON RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE (Part III, Section 5.3)										
<u></u>	releases of less than			A. Total Re (pounds		B. Bas Esti		rom mwater		
1,000 pounds by {Do not use both	checking ranges under	A.1,	A.1 A.2 Reporting Ranges Ente			nter	(enter in b provi	ox		
5.3 Discharges receiving st	reams or	5.3a	111	1 [ ]			5.3			
(Enter letter co	de for stream	٦	1 1 1	1 [ ]				_ bl  5.3		
the box provided	,	5.3a	[ ] [	1 [ ]			5.3.	5.3 5.3.	_c %	
ADDITIONAL 1	5.3L NFORMATION ON TI	IS.3a	OF THE CH	J L JI	WASTE	TO OFF-SI			_c%	
(Part III, Section	on 6)		Total Transfe	· · · · · · · · · · · · · · · · · · ·		B. Bas	sis of	C. Type of T		
	0 pounds by checking		pounds/year)			Est	imate	Disp	osal	
ranges under A. both A.1 and A.		. A.1 Reporting R	anges 500-999	A.2 Ente Estim	er	· kr	er code i box ovidedì	` in	r code box vided)	
, (enter lö	e to POTW cation number 1 II, Section 1.]	[ ][	][]			6.1	ь			
Other off (enter lo from Par	][]			6.2	ь 🔲	6.2c M				
6.2. (enter lo	-site location cation number t II, Section 2.)	[][	] [ ]			6.2	ь	6.2c M		
g o (enter lo	-site location cation number 1 f., Section 2.)	[][	][]			6.2	_ь 🗌	6.2c M		
ADDITIONAL	INFORMATION ON V	VASTE TREA	TMENT ME	THODS A	ND EFFI					
A. General Wastestream (enter code in box provided)	B. Treatment Method (enter code in box provided	ir C	lange of afluent Concentration enter code)		ment? k if	E. Treatr Efficie Estima	ncy	F. Based Opera Data Ye	ating ?	
7a 🔲	7b	7	_。 🗌	7d	[ ]	7	%	71 [	][]	
7a	7b	7	_。 🗌	7d	[ ]	7e	%	71 {	][]	
7a	7b	7	_。 🗌	7d	[ ]	7e	%	7f [	][ ]	
7a	7ь	7	_。 🗌	7d	[ ]	7e	%	7f [	][]	
7a	7b	7	_。 🗌	7d	[ ]	7•	*	71 [	][ ]	
7a	7a		_	7d	[ ]	7	*	71 [	][]	
7a	7	。	7d	[ ]	7•	*	7f [	][]		
7a	7ь	] 7	_• 🔲	7d	[ ]	70	*	71 {	][]	
			. 🗂	1,	r 1	7	~	71	1 ( )	
7a	<sup>7.</sup> b	1 /		7d	L 1	7•		/·' <u>l</u>	] [ ]	

									For	n Appr	oved OMB N	lo.: 2070-00 <del>9</del> 3
											oproval Expir	01/91
8	TOXIC CH Section 313 o	S. Env	ronmental Pro	SE INVENTION	ency ENTO	RY REP unity Right and Reau	OR'	TING FO	of 19	86,	vary from 3 with an response, instructions sources, g, data need reviewing t Send corne estimate o collection suggestions Chief, in (PM-223), Washingtor Burden and and Regu	Page 1 of 5 poorting burden for this of information is estimated to 30 to 34 hours per response, average of 32 hours per including time for reviewing s, searching existing data athering and maintaining the ted, and completing and he collection of information, ments regarding this burden or any other aspect of this of information, including a for reducing this burden, to formation Policy Branch US EPA, 401 M St., SW, n, D.C. 20460 Attn: TRI to the Office of information fatory Affairs, Office of nt and Budget Paperwork Project (2070-0003), n, D.C. 20503.
7.	Yes	Answer	e chemical ident question 1.2; ntiation forms.)	[X] No		inswer 1.2:	1	.2 " 'Yes				1.3 Reporting Year 19 90
	ERTIFICATION y certify that I have and that the a						ol m	y knowledge ble estimate	and b	ellef, the	submitted infe	ormation is true and preparers of this report.
Name R	ALPH GRANDLE,	of owner	operator or senio	or managem								
Signat	Kachl	cev	Toon	De						05/01		
	TRICON INDUSTRIES, INC.  Street Address  2325 WISCONSIN AVE.  City  DOWNERS GROVE  State  IL  TRICON INDUSTRIES, INC.  1. EPCRA REPO P.O. BOX 23 WASHINGTO ATTN: TOXI						WHERE TO SEND COMPLETED FORMS:					
3.1						N, DC	OC 20026-3779 HEMICAL RELEASE INVENTORY					
							2. APPROPRIATE STATE OFFICE (See Instructions in Appendix G)					
3.2			mation for (Chec	ck only one):		An entire fa	cility	b.	[ ]	Part of	a facility.	
3.3	Technical Conta									Telephor 708/9	ve Number (inc 164-2330	fude area code)
3.4	Public Contact RALPH GRANI	LE								•	ne Number (inc 164-2330	lude area code)
3.5	SIC Code (4 digi	1)	b. NA	c.	<del></del>		d.	<del></del>		•.		1.
3.6	Degree 04		Latitude Minutes 47	, Se	conds 30			Degrees 088			Longitude dinutes 02	Seconds 30
3.7	Dun & Bradstree a. 00-508-41		r(s)			<del></del>	ъ.	NA				
3.8	EPA Identification I L D005084		r(s) (RCRA I.D.	. No.)		<del></del>	b. NA					
3.9	NPOES Permit I	NPDES Permit Number(s)										
	Receiving Stream	ms or W	ater Bodies (ente	er one name	per box)		b.					
3.10	c.	·			<del>,</del>		d.					
3.11		ection W	ell Code (UIC) Id	lentification !	Number (s	s)	1. b.	NA				
4.1	Name of Parent	Compar	INFORMATION	ON			4.	2 Parent C	Compa	ny's Du	n & Bradetruet	Namber

[] (Important: Type or print; read i	instructions helore comple	tine form )					
SEPA PART II.	ERA FORM R	TO WHICH TOXIC	Page 2 of 5 This space for your optional use.)				
1. PUBLICLY OWNED TREATMEN	IT WORKS (POTWs)						
1.1 POTW name DOWNERS GROVE SANITARY DIST	RICT	1.2 POTW name					
Street Address 2710 CURTISS STREET		Street Address					
DOWNERS GROVE	County DUPAGE	City	County				
State IL	2ip 60515	State	Zip				
2. OTHER OFF-SITE LOCATIONS	(DO NOT REPORT LOCATIONS TO	O WHICH WASTES ARE SENT ONLY F	OR RECYCLING OR REUSE).				
2.1 Off-site location name		2.2 Off-site location name					
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. I	No.)				
Street Address		Street Address					
City	County	City	County				
State	Zip	State	Zip				
is location under control of reporting facility	or parent company?	is location under control of reporting fa	cility or parent company?				
2.3 Off-site location name		2.4 Off-site location name					
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID. No.)					
Street Address		Street Address					
City	County	City	County				
State	Zip	State	Zip				
is location under control of reporting facility		is location under control of reporting fa					
	[ ]Yes [ ]No	2.6 Off-site location name	[] Yes [] No				
2.5 Off-site location name							
EPA Identification Number (RCRA ID. No.)		EPA Identification Number (RCRA ID.	No.)				
Street Address		Street Address					
City	County	City	County				
State	Zip	State	Zip				
is location under control of reporting facility	y or parent company?	Is location under control of reporting facility or parent company?					
	[ ] Yes [ ] No		[]Yes []Nb				
Check if additional pages of Part 8 ar	e attached. How many?						

Page	3	۵f	5
	•	•	•

**SEPA** 

## EPA FORM R PART III. CHEMICAL-SPECIFIC INFORMATION

					_	
ı	This	space	for yo	UF 00	tional	use.

			r-ort		INFURN		<u>.</u>										
_				***.			<u> </u>										
	CHEMICAL IDENTITY(Do not complete this section if you complete Section 2.)    Reserved																
1.2	CAS Number (Enter only one number exact 000127184	tly as it a	ppears or	the 313	list. Ente	er NA If reporting a chem	ical category.}										
1.3	Chemical or Chemical Category Name TETRACHLOROETHYLENE	(Enter o	nly one na	ime exac	thy as it a	ppears on the 313 list.)											
1.4	Generic Chemical Name (Complete only IIIA	f Part I,	Section 1.	1 is che	cked "Yes	.* Generic name must b	e structurally descript	lve.)									
	MIXTURE COMPONENT IDENTITY	(Do no	t comple	te this	section i	f you complete Section	on 1.)										
2.	NA NA																
3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)  [ Manufacture the																	
3.1	chemical:  a. Produce		c.	[ ]F	or empor or on-site se/proces	. [	] For sale/ distribution										
	b. [ ] Import		●.	[]^	s a bypro	oduct f.	As an impurity	·									
3.2	Process the chemical:  a. [ ] As a rea		b.		s a forme		As an article component										
3.3	Otherwise use a. As a che processir	mical	b.	[]^	s " manu	facturing aid c.	Ancillary or oth	her use									
4	the chemical:  4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR																
]	4. MAXIMUM AMOUNT OF THE CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR																
5. F	5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT ON-SITE																
				^			Estimate	A. Total Release B. Basis of C. % From									
1,00	may report releases of less than						B)										
	00 pounds by checking ranges under A.1 not use both A.1 and A.2)	·	•	_	Ranges	A.2 Enter Estimate	(enter code)										
5.1	00 pounds by checking ranges under A.1	5.1a	1-10			Enter	(enter code)										
-	00 pounds by checking ranges under A.1 not use both A.1 and A.2)	1	1-10	porting	Ranges	Enter Estimate	Tan land										
5.2 5.3	00 pounds by checking ranges under A.1 not use both A.1 and A.2)  Fugitive or non-point air emissions	5.1 <b>a</b>	1-10 [ ]	porting	Ranges 500-999	Enter Estimate	5.1b RA	5.3.1c 00%									
5.2	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving	5.1a 5.2a	1-10 [ ]		Ranges 500-999	NA 00000013464	5.1b NA 5.2b 0										
5.2	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving streams or water bodies  (Enter letter code for stream from Part i Section 3.10 in 5.3.2	5.1a 5.2a 5.3.1a	[ ] [ ]		Ranges 500-999	NA 00000013464	5.1b HA 5.2b 0 5.3.1b NA	5.3.1c 00%									
5.2	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving streams or water bodies  (Enter letter code for stream from Part I Section 3.10 in the box provided.)	5.1a 5.2a 5.3.1a 5.3.2a	[ ] [ ]		Ranges 500-999	NA 00000013464	5.1b HA 5.2b 0 5.3.1b NA 5.3.2b	5.3.1c 00 % 5.3.2c %									
5.2 5.3	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving streams or water bodies  (Enter letter code for stream from Part I Section 3.10 in the box provided.)	5.1a 5.2a 5.3.1a 5.3.2a 5.3.3a	[ ] [ ] [ ]		Ranges 500-999	NA 00000013464 NA	5.1b HA 5.2b 0 5.3.1b NA 5.3.2b	5.3.1c 00 % 5.3.2c %									
5.2 5.3	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving streams or water bodies  from Part I Section 3.10 in the box provided.)  Underground injection on-site  Releases to land on-site	5.1a 5.2a 5.3.1a 5.3.2a 5.3.3a 5.4a	[ ] [ ] [ ]		Ranges 500-999	NA 00000013464 NA NA	5.1b HA 5.2b 0 5.3.1b NA 5.3.2b 5.3.3b 5.4b NA	5.3.1c 00 % 5.3.2c %									
5.2 5.3	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving streams or water bodies 5.3.1 (Enter letter code for stream from Part I Section 3.10 in the box provided.)  Underground injection on-site  Releases to land on-site  5.5.1 Landfill	5.1a 5.2a 5.3.1a 5.3.2a 5.3.3a 5.4a 5.5.1a	[ ] [ ] [ ] [ ]		Ranges 500-999	NA  00000013464  NA  NA	5.1b HA 5.2b 0 5.3.1b NA 5.3.2b 5.3.3b 5.4b NA 5.5.1b NA	5.3.1c 00 % 5.3.2c %									
5.2 5.3	Fugitive or non-point air emissions  Stack or point air emissions  Discharges to receiving streams or water bodies  (Enter letter code for stream from Part I Section 3.10 in the box provided.)  Underground injection on-site  Releases to land on-site  5.5.1 Landfill  5.5.2 Land treatment/application farming	5.1a 5.2a 5.3.1a 5.3.2a 5.3.3a 5.4a 5.5.1a	[ ] [ ] [ ] [ ] [ ]		Ranges 500-999	NA  00000013464  NA  NA  NA  NA  NA	5.1b HA 5.2b 0 5.3.1b HA 5.3.2b	5.3.1c 00 % 5.3.2c %									

Page 4 of 5

**SEPA** 

### EPA FORM

PART III. CHEMICAL-SPECIFIC INFORMATION (continued)

(This space for your optional use.)

6. TRANSFERS	OF THE CHEMIC	AL IN W				D. Boole of Follows						
You may report to of less than 1,000	pounds by		(F	tal Transi ounds/ye	<b>Y</b> )	B. Basis of Estimate	C.Type of Treatment/ Disposal					
checking ranges unot use both A.1	under A.1. (Do		A.1 ting Rar 1-199	nges 500-999	A.2 Enter Estimate	(enter code)	(enter code)					
Discharge to (enter location 6.1.1 from Part II.	nnumber I. Inti	[ X ]	[ ]	[]	NA	6.1.1b 0						
Other off-site location (enter location number from Part II, Section 2.)			[ ]	[]	NA	6.2.1b	6.2.1c M					
Other off-site (enter location from Part II,	n number 2 Section 2.)	[ ]	[]	[]		6.2.2b	6.2.2c M					
Other off-site fenter location 6.2.3 from Part II,	n number i all il	[ ]	[ ]			6.2.3b	6.2.3c M					
[ ](Check if a	idditional information	n Is provid	ded on I	Part IV-Su	pplemental Informat	lon.)						
7. WASTE TREATMENT METHODS AND EFFICIENCY  [ ] Not Applicable (NA) - Check if no on-site treatment is applied to any wastestream containing the chemical or chemical category.												
A. General Wastestream	A. General B. Treatment			inge of luent incentration	D. Sequential Treatment? on (check if	E. Treatment Efficiency Estimate	F. Based on Operating Data?					
(enter code)	(enter code	)	(e	nter code	applicable)	<del> </del>	Yes No					
7.1a A	7.1b A 0 2	]	7.1c	3	7.1d [ ]	7.1e 085 %	7.1f [ ] [ X ]					
7.2a	7.2b N A	]	7.2c	NA	7.2d [ ]	7.20 00 %	7.21 [ ] [ ]					
7.3a 🗌	7.3b	]	7.3c		7.3d [ ]	7.3e %	7.3f [ ] [ ]					
7.4a	7.4b	]	7.4c		7.4d [ ]	7.4e %	7.4f [ ] [ ]					
7.5a	7.5b	]	7.5c		7.5d [ ]	7.5e %	7.5f [ ] [ ]					
7.6a	7.6b	]	7.6c		7.6d [ ]	7.6e %	7.6f [ ] [ ]					
7.7a	7.7b	]	7.7c		7.7d [ ]	7.70 %	7.7f [ ] [ ]					
7.8a	7.8b	]	7.8c		7.8d [ ]	7.89 %	7.8f [ ] [ ]					
7.9a	7.9b	]	7.9c		7.9d [ ]	7.90 %	7.9f [ ] [ ]					
7.10a	7.10b	]	7.100		7.10d [ ]	7.10e %	7.10f [ ] [ ]					
[ ](Check If	additional information	on is provi	ded on	Part IV-S	upplemental Informat	tion.)						
(indicate actio	ns taken to reduce	the amou	ant of th	e chemic	N ON WASTE MIN al being released fro	IIMIZATION m the facility. See th	e instructions for coded					
A. Type of Modification (enter code)			nemical	In Waster		C. Index	D. Reason for Action (enter code)					
M.	Current reporting year (pounds/ye	Prior year (pour ar)	nds/yea	(1)	Or percent change (Check (+) or (-))		R					

Page 5 of 5

Ω	E	ÐA
<b>T</b>	Ę	FA

## PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Part III.

Number the lines used sequentially from lines in prior sections (e.g., 5.3.4, 6.1.2, 7.11)

				_	
	(This	space	for your	optional	use.)
,			, ·	.***	
NM	ENT O	N-SIT	<u> </u>		

ADDITIONAL	· #- #- #-									
(Fad III, Section	FORMATION ON R 5.3)	ELEASES O	F THE CHE	MICAL TO	THE EN	/IRONMEN	T ON-SI	ITE		
You may report releases of less than 1,000 pounds by checking ranges under A.1. (Do not use both A.1 and A.2)			Reporting Ranges Enti			A.2 Enter timate	(enter in t	lmate	C.% From Stormwater	
5.3 Discharges to receiving stre water bodies		5.3a	[ ] [	300-999		tanate	5.3	. b.	5.3. <u></u> c	%
(Enter letter code from Part I Section the box provided )	for stream n 3.10 in 5.3.	5.3,a	[ ] [	][]		11.5 11.5 (1.5 (1.5)	5.3	_ <b>p</b>	5.3. <u> </u>	%
	5.3	s.3a	[][	][]			5.3		5.3c	%
ADDITIONAL INF	FORMATION ON TO	RANSFERS	OF THE CH	EMICAL IN	WASTE	TO OFF-SI	TE LOC	ATION	\$	
You may report tra	nnsfers		Total Transf pounds/year		•	B. Bas Est	is of mate	C. Ty	pe of Treatmen Disposai	t/
of less than.1:000 ranges under A.1. both A.1 and A.2)	pounds by checking (Do not use	A.1 Reporting R	anges 500-999	A. Ent Estin	er	` lr	or code n box ovided)	ŀ	(enter code in box provided)	
Clecharge to fenter locate from Part 8	o POTW tion number , Section 1.)	][]	][]			6.1	ь			
Other off-si 6.2. (enter local from Part II	te location ion number Section 2.1	[][]	][]			6.2	ь 🗌	6.2	_c M	
6.2. Other off-si (enter local from Part II	te location lion number , Section 2.)	[ ][	][]			6.2	_b 🔲	6.2	_c M	
Other off-ei		[ ][	][]			6.2	_ь 🔲	6.2	c M	
							_			
ADDITIONAL IN	FORMATION ON V	VASTE TREA	ATMENT M	ETHODS A	ND EFFI	CIENCY (P	rt III, S	ection	7)	=
A. General Wastestream (enter code	FORMATION ON \ 8. Treatment Method {enter code in box provided	C. P	ATMENT M lange of influent concentration enter code)	D. Sequ Treat (chec	ential iment?	CIENCY (Pa E. Treatr Efficie Estima	nent ncy ate	F	7) Based on Operating Data? Yes N	<u> </u>
A. General Wastestream (enter code in their provided)	B. Treatment Method (enter code	C. P	lange of influent concentration enter code)	D. Sequ Treat (chec	ential iment? ck if cable)	E. Treatr Efficie Estima	nent ncy ate	F	Based on Operating Data?	<u> </u>
A. Géneral Wastestream (enter code In took provided) 7a7	8. Treatment Method (enter code in box provided	C. R Ir C	lange of influent concentration enter code)	D. Sequ Treat (check applic	ential iment? ck if cable)	E. Treatr Efficie Estima	nent ncy ite	7	Based on Operating Data? Yes N	]
A. General Wasteetream (enter code in took provided)  7a	8. Treatment Method {enter code in box provided	7	lange of influent concentration enter code)	D. Sequ Trea (chec applic	ential iment? ek if eable)	E. Treatr Efficie Estima 7e	ment ncy ate %	7 7	Based on Operating Data? Yes N	1
A. General Wastestream (enter code in their provided)  7a	8. Treatment Method (enter code in box provided	7	lange of influent concentration enter code) cc	D. Sequireat (checked) (ch	ential ment? ck if cable)	E. Treatr Efficie Estima 7e	ment ncy ate %	7 7	Based on Operating Data? Yes N  f [ ] [  f [ ] [	1
A. General Wastestream (enter code in text provided)  7a	8. Treatment Method (enter code in box provided  b	7	lange of influent concentration enter code) cc	7d 7d	ential treent? sk if cable)	F. Treatr Efficie Estima  7e  7e	ment ncy ate % %	7 7	Based on Operating Data?  Yes N  _f [ ] [  _f [ ] [  _f [ ] [  _f [ ] [	
A. General Wasteetream (enter code in their code in their provided)  7a	8. Treatment Method (enter code in box provided  b	7 7 7 7	lange of influent concentration enter code) cc	7d 7d 7d	ential iment? sk if sable)	F. Treatr Efficie Estima  7e  7e  7e	ment ncy ate %	7 7 7 7	Based on Operating Data?  Yes N  f [ ] [  f [ ] [  f [ ] [	
A. General Wastestream (enter code in their provided)  7a	8. Treatment Method (enter code in box provided  b	7 7 7 7	lange of influent concentration enter code) c	7d 7d 7d 7d	ential ment? ck if cable)  [ ]  [ ]  [ ]	7e 7e 7e 7e	ment ncy ate %	7 7 7 7	Based on Operating Data?  Yes N  _f [ ] [ _f [ ]	1 1 1 1
A. General Wasteer sam (enter code In text provided)  7a	8. Treatment Method (enter code in box provided  b	7 7 7 7 7 7 7 7	lange of influent concentration enter code) c	7d 7d 7d 7d 7d	ential (ment?) sk if sable)	7e 7e 7e 7e	ment ncy ate %	7 7 7 7 7	Based on Operating Data?  Yes N  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ]	
A. General Wastestream (enter code In their provided)  7a	8. Treatment Method (enter code in box provided  b	7 7 7 7 7 7 7 7	lange of influent concentration enter code) c	7d 7d 7d 7d 7d 7d 7d 7d	ential (ment?) sk if sable)	F. Treatr Efficie Estima  7e  7e  7e  7e  7e  7e	ment ncy ate %	7 7 7 7 7 7	Based on Operating Data?  Yes N  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ] [  f [ ]	1 1 1 1 1 1

Form Approved OMB Number: 2070-0093 Approval Expires: 11/92

Page 1 of 9



TOXIC CHEMICAL RELEASE **INVENTORY REPORTING FORM** 

60515TRCNN2325W

TRI FACILITY ID NUMBER

Toxic Chemical, Category, or Generic Name TETRACHLOROETHYLENE

**United States Environmental Protection** Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND **COMPLETED FORMS:**  1. EPCRA Reporting Center P.O. Box 23779 Washington, DC 20026-3779

2.APPROPRIATE STATE OFFICE

(See instructions in Appendix F)

ATTN: TOXIC CHEMICAL RELEASE INVENTORY

Enter "X" here if this is a revision

For EPA use only

IMPORTANT: See instructions to determine when "Not

Applicable (NA)" boxes should be checked.

	i			
- 1		 	 	

PART	I. FACILITY IDENTIFICATION	ONINFORMATION					
	OFOTION O TRADE OFOREY INF	ODMATION					
SECTION 1.	SECTION 2. TRADE SECRET INF	SECTION 2. TRADE SECRET INFORMATION					
SECTION 1.	Are you claiming the toxic chemical id	entified on page 3 trade secret?					
REPORTING	2.1 Yes (Answer question 2.2;	No (Do not answer 2.2;					
YEAR	Attach substantiation forms)	Go to Section 3)					
19 <u>91</u>	2.2 If yes in 2.1, is this copy:	itized Unsanitized					
SECTION 3. CEI	RTIFICATION (Important: Read and sig	n after completing all form sections.)					
I hereby certify that and belief, the sub- report are accurate report.	I have reviewed the attached documents a nitted information is true and complete and based on reasonable estimates using data	and that, to the best of my knowledge that the amounts and values in this available to the preparers of this					
Name and official title of owner/of	erator or senior management official						
	ECUTIVE VICE PRESIDENT						
Signature		Date Signed 08/10/92					
SECTION 4. FA	CILITY IDENTIFICATION						
Facility or Establishme	nt Name	TRI Facility ID Number					
TRICON INDU	STRIES	60515TRCNN2325W					

Facility or Establishment Name	TRI Facility ID Number	l I
TRICON INDUSTRIES	60515TRCNN2325	ı
Street Address		
2325 WISCONSIK AVE.	· ·	
City	County	
DOWNERS GROVE	DUPAGE	
State	Zip Code	
IL	60515	
Mailing Address (if different from street address)		,
WA		
City	PUT LABEL HERE	
State Zip Code		



**Environmental Protection** Agency

EDA Enim 0050 4 (Dai: 6144100)

## **EPA FORM R**

# PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI F	ACILITY ID NUMBER
60	515TRCNN2325W
Toxic	Chemical, Category, or Generic Name
TET	RACHLOROETHYLENE

4.2	This report con (Important: che				a. 🖾 An en	tire fac	cility	b. $\square$ Part	of a facility	
4.0	Toobaliasi Can	,	Name			Telephone Number (include area code)				
4.3	Technical Cont	act	LARRY	LARRY MCDANIEL					64-2330	
4.4	Public Contact RALPH GRANDLE						Telephone Number (	Include area code)		
4.5	SIC Code (4-digit)	a. 3	3089	<b>b.</b> на	C.	d.		e.	f.	
	Latitude			Latitude				Longitude		
4.6	and Longitude	Deg 04	rees 1	Minutes 47	Seconds 30	Deg 08	rees 8	Minutes 02	Seconds 30	
4.7	Dun & Bradstre	et Ni	umber	(s) (9 di <u>ç</u>	jits)		a. b.	005084124		
4.8	EPA Identificat	ion N	lumbe		A I.D.No.) naracters)		a. b.	ILD005084124		
4.9	Facility NPDES	Peri	nit Nu	mber(s)			a. NA			
	-			racters)			b.			
4.10	Underground l	nject	ion W	ell Code (l	JIC) I.D.		a.	NA		
	Number(s)				2 digits)		b.	•		
SEC 5.1	TION 5. PAREI			NY INFOI	RMATION			· · · · · · · · · · · · · · · · · · ·		
	Parent Company's Du			Number	<u> </u>		· · · · · · · · · · · · · · · · · · ·			
5.2	□NA		digits		na -					



**SECTION 4.** 

03

4.1

Agency

### **EPA FORM R** PART II. CHEMICAL-SPECIFIC **INFORMATION**

TRI	FACILITY	ID	NUMBER	
6	0515T	RC	NN23251	 I

Toxic Chemical, Category, or Generic Name TETRACHLOROETHYLENE

SECT	rion 1.	roxic c	HEMICAL IDENTITY	(Important: DO NOT complete this section if you complete Section 2 below.)				
	CAS Number (In	nportant: Ente	r only one number exactly as it appears o	n the Section 313 list. Enter category code if reporting a chemical category.				
1.1	000127-18-4							
	Toxic Chemical	or Chemical Ca	tegory Name (Important: Enter only one	name exactly as it appears on the Section 313 list.)				
1.2	TETRACHLO	ROETHYLE	NE					
	Generic Chemica	al Name (Impor	tant: Complete only if Part I, Section 2.1	is checked "yes." Generic Name must be structurally descriptive.)				
1.3	АК							
SECT	FION 2.	MIXTUR	E COMPONENT IDENT	(Important: DO NOT complete this section if you complete Section 1 above.)				
0.4	Generic Chemica	al Name Provid	ed by Supplier (Important: Maximum of 7	0 characters, including numbers, letters, spaces, and punctuation.)				
2.1	NA							
SECT			IES AND USES OF THI	TOXIC CHEMICAL AT THE FACILITY				
		importa	in. Check an that apply	·)				
3.1	Manufa the toxic chemica	3	a. Produce b. Import	If produce or import;  c.  For on-site use/processing d. For sale/distribution e. As a byproduct f. As an impurity				
3.2	Process the toxic chemica	C	a.  As a reactant b. As a formulation c	c. As an article component omponent d. Repackaging				
3.3	Otherwi the toxic chemica	C	a. As a chemical pro					

MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME

**DURING THE CALENDAR YEAR** 

(Enter two-digit code from instruction package.)



United States Environmental Protection Agency

## **EPA FORM R**

## PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI	FACILITY	10	NUMBER

60515TRCNN2325W

Toxic Chemical, Category, or Generic Name

TETRACHLOROETHYLENE

SECTI	ON 5. RELEASES OF THE TOXIC	CHEMICAL TO THE	ENVIRONME	NT ON-SITE
		A. Total Release (lbs/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point NA	NA		
5.2	Stack or point air emissions	10472	0	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
5.3.1	Stream or Water Body Name			,
NA				. %
5.3.2	Stream or Water Body Name			. %
5.3.3	Stream or Water Body Name			. %
5.4	Underground injections On-site	на		* 1 · 3
5.5	Releases to land on-site			
5.5.1	Landfill NA	NA		
5.5.2	Land treatment / NA	NA		
5.5.3	Surface NA	NA		
5.5.4	Other disposal NA	на	, in the second	

Check here only if additional Section 5.3 information is provided on page 5 of this form.



Agency

### **EPA FORM R**

## PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER

60515TRCNN2325W

Toxic Chemical, Category, or Generic Name

TETRACHLOROETHYLENE

5.3	Discharges to streams or wat (enter one name	er bodies	A. Total Release (pounds/ year)(enter range code from instructions or estimat	B. Basis of Estimate (enter code)	C. % From Stormwate
5.3.4 \$	Stream or Water I	Body Name			
					. %
j.3.5 S	Stream or Water I	Body Name			. %
5.3.6	Stream or Water I	Body Name			-
					. %
SECTIO	ON 6 TRANSFE	RS OF THE TOXIC	CHEMICAL IN WASTES TO	OFF-SITE LOCA	TIONS
			OWNED TREATMENT WO	PRKS (PUTW)	
6.1.A T	otal Quantity Tra	nsferred to POTWs	and Basis of Estimate		
6.1.A.1	Total Transfers (p		6.1.A.2 Basis of E		
		NA	•		
6.1.B P	OTW Name and	Location Information	on .	,	, <u>, , , , , , , , , , , , , , , , , , </u>
6.1.B.0 <sup>-</sup>	POTW Name		6.1.B.02 POTW Na	ime	
Street Ac	Idress		Street Address		
City		County	City	County	
		Zip Code	State	Zip Code	
State		i e			



Agency

### **EPA FORM R**

### PART II. CHEMICAL-SPECIFIC **INFORMATION (CONTINUED)**

Page 6 of 9
TRI FACILITY ID NUMBER
60515TRCNN2325W
Toxic Chemical, Category, or Generic Name
TETRACHLOROETHYLENE

6.2.01	Off-site EPA Identi	lication Number (RCR	MID No.)     WID000808824		
Off-Site Local	tion Name		# 10000000E		
	AVGANIC IN	OUSTRIES			
Street Addres	114 N MAIN				
City	COTTAGE GR	OVE		County	
State	WI Zip Co	53527	Is location under control facility or parent compa		
	fers (pounds/year) e code or estimate)	B. Basis of t (enter coo		C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)	
1. 2244		1. 0		1. M20	
2.		2.		2.	
				3.	
		3.		3.	
SECTION (6.2.02	Off-site EPA Identi	4.	FF-SITE LOCATIONS	3. 4.	
SECTION ( 6.2.02 Off-Site Loca	Off-site EPA Identi	4. RS TO OTHER OF			
SECTION (  6.2.02  Off-Site Loca  Street Addres	Off-site EPA Identi	4. RS TO OTHER OF		4.	
3. 4. SECTION	Off-site EPA Identi	4. RS TO OTHER OF			
SECTION ( 6.2.02 Off-Site Loca Street Addres	Off-site EPA Identi	4.  RS TO OTHER OF		County  of reporting	
SECTION (  6:2:02 Control of the second street Address City Control of the second street City Co	Off-site EPA Identi	4.  RS TO OTHER OF	Is location under control facility or parent compa	County  of reporting	
SECTION (  5.2.02  Off-Site Loca  Street Addres  Gity  State  A. Total Trans (enter range	Off-site EPA Identi	4.  RS TO OTHER OF fication Number (RCF)	Is location under control facility or parent compa	County  Of of reporting Yes No  C. Type of Waste Treatment/Disposal/	
SECTION ( 6.2.02 Off-Site Loca Street Addres City State A Total Trans (enter range) 1.	Off-site EPA Identi	d.  RS TO OTHER OF fication Number (RCF)  ode  B. Basis of fenter co	Is location under control facility or parent compa	County  Of of reporting Yes No  C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code	
SECTION ( 6.2.02 Confessive Local Street Address City City Confessive Local Trans	Off-site EPA Identi	d.  RS TO OTHER OF fication Number (RCF)  ode  B. Basis of (enter co	Is location under control facility or parent compa	County  Of of reporting Yes No  C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code	



### **EPAFORM R**

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY	ID NUMBER
60515TR	CNN2325W
Toxic Chemical	, Category, or Generic Name
TETRACH	LOBORTHVI FUR

· ·go···oy		-				
SECTION	N 7A. ON	-SITE WAST	E TREATMEN	T METHODS AND	EFFICIEN	CY
☐ Not Ap	plicable (N	IA) - Check h stream	nere if <u>no</u> on-si containing the	te waste treatment toxic chemical or	is applied chemical d	I to any waste category.
a. General Waste Stream (enter code)		b. Treatment Method [enter 3-characte		c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.01a	7A.01b	1	2	7A.01c	7A.01d	7A.01e
~~^	3	4	5			Yes No
HA	6	7	8		. %	
7A.02a	7A.02b	1	2	7A.02c	7A.02d	7A.02e
	3	4	5			Yes No
	6	7	8		. %	
7A.03a	7A.03b	1	2	7A.03c	7A.03d	7A.03e
	3	4	5			Yes No
	6	7	8		. %	
7 <b>A</b> .04a	7A.04b	1	2	7A.04c	7A.04d	7A.04e
	3	4	5			Yes No
	6	7	8		. %	
7A.05a	7A.05b	1	2	7A.05c	7A.05d	7A.05e
	3	4	5			Yes No
	6	7	•		. %	

If additional copies of page 7 are attached, indicate the total number of pages in this box on and indicate which page 7 this is, here. (example: 1, 2, 3, etc.)



## **EPA FORM R**

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER

60515TRCNN2325W

Texic Chemical, Category, or Generic Name
TETRACHLOROETHYLENE

Not	Applicable (					 plied to any waste cal category.
ergy Recov	ery Methods [enter 3	-character cod	le(s)]			, , , , , , , , , , , , , , , , , , ,
	1 NA		2		3	4
 :CTI(	ON 7C. O	N-SITE	RECYC	LING PROC	ESSES	
		NA) - C	heck here	e if <u>no</u> on-site	recycling is	 any waste cal category.
Not		NA) - C	heck here	e if <u>no</u> on-site	recycling is	 _
Not	Applicable (l	NA) - C	heck here	e if <u>no</u> on-site	recycling is	 _



Agency

## **EPA FORM R**

## PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER

60515TRCNN2325W

Toxic Chemical, Category, or Generic Name

TETRACHLOROETHYLENE

					1
-	antity estimates can be reporte up to two significant figures.	ed Column A 1990 (pounds/year)	Column B 1991 (pounds/year)	Column C 1992 (pounds/year)	Column D 1993 (pounds/yea
3.1	Quantity released *	uantity released * 13464 10472			
3.2	Quantity used for energy recovery on-site	NA	NA	0	0
3.3	Quantity used for energy recovery off-site	AK	NA	0	0
3.4	Quantity recycled on-site	AK	NA	0	O
3.5	Quantity recycled off-site	AK	2244	3740	3740
3.6	Quantity treated on-site	AR	NA	0	o
3.7	Quantity treated off-site	NA	NA	o	o
3.8	remedial actions, catastrophic				AK
3.9	not associated with production  Production ratio or activity income.		s/year)		00.77
	-	iex n any source reduc	tion activities fo		luring
B.9 B.10	Production ratio or activity inc	iex n any source reduc enter "NA" in Sec	tion activities fo	answer Section	luring
	Production ratio or activity income Did your facility engage in the reporting year? If not, Source Reduction Activities [enter code(s)]	iex n any source reduc enter "NA" in Sec	tion activities fo tion 8.10.1 and a	answer Section	luring
3.10	Production ratio or activity income Did your facility engage in the reporting year? If not, Source Reduction Activities [enter code(s)]	iex n any source reduc enter "NA" in Sec Metho	tion activities fo tion 8.10.1 and a	answer Section	luring 8:11.
3.10 3.10.1 3.10.1	Production ratio or activity income Did your facility engage in the reporting year? If not, Source Reduction Activities [enter code(s)]	iex n any source reduc enter "NA" in Sec Metho	tion activities fo tion 8.10.1 and a	answer Section	luring 8:11.
3.10 3.10 3.10.1	Production ratio or activity incomes  Did your facility engage in the reporting year? If not,  Source Reduction Activities [enter code(s)]  W71	iex n any source reduc enter "NA" in Sec Metho	tion activities fo tion 8.10.1 and a	answer Section	luring 8.11.

Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

Form Approved OMB Number: 2070-0093 Approval Expires: 11/92

Page 1 of 9



**United States Environmental Protection** Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI	FACILITY I	D NUMBER

60515TRCNN2325W

Toxic Chemical, Category, or Generic Name

TETRACHLOROETHYLENE

WHERE TO SEND

1. EPCRA Reporting Center P.O. BOX 3348 Merrifield, VA 22116-3348 2.APPROPRIATE STATE OFFICE (See instructions in Appendix F)

ATTN: TOXIC CHEMICAL RELEASE INVENTORY

Enter "X" here if this is a revision

For EPA use only

**COMPLETED FORMS:** 

IMPORTANT: See Instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART	I. FACILITY IDE	NTIFICATION INFO	DRMATION
CECTION 4	SECTION 2. TRADE	SECRET INFORMATIO	N
SECTION 1.	Are you claiming th	e toxic chemical identified on pa	ge 3 trade secret?
REPORTING YEAR	2.1 Yes (Answer quantum Attach substan	• •	answer 2.2; on 3)
19 <u>92</u>	2.2 If yes in 2.1, is this	copy: Sanitized U	nsanitized
SECTION 3. CE	RTIFICATION (Importan	t: Read and sign after com	pleting all form sections.)
and belief, the sub	it I have reviewed the attach mitted information is true an e based on reasonable estim	d complete and that the am	ounts and values in this
Name and official title of owner/o	operator or senior management official		
	ECUTIVE VICE PRESIDENT	9,0000,000	
Signature	W/ Frankle	Date Signed	04/07/93
SECTION 4. F.	ACILITY IDENTIFICATION	ON	
Facility or Establishme	ent Name		TRI Facility ID Number
TRICON INDU	JSTRIES INC.		60515TRCNN2325W
Street Address			
2325 WISCON	SIN AVENUE	0/4000000000	
City		County	
DOWNERS GRO	DAE	DUPAGE Zip Code	
4 State		60515	
	ifferent from street address)	00010	
NA			
City		PUT	ABEL HERE
State	Zip Code		



United States Environmental Protection Agency

## **EPA FORM R**

# PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

	1 uge 2 01 3
TRI FACILITY ID NUI	MBER
60515TRCNN	2325 <b>V</b>
Toxic Chemical, Category	y, or Generic Name
TETPACHTOPO	בעם זעער

TION 4. FACI	LITY	DENT	IFICATION	N (Continued	i)			
-1 *1 *2 * *** ** * * * * * * * * * * * *				a. 🗷 An en	tire fac	ility	b. 🏻 Par	t of a facility
Technical Cor	ntact	Name					3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er (include area code)
recrimeat ou	naor		Y MCDANIEL					964-2330
Public Contact RALPH GRANDLE								964-2330
SIC Code (4-digit)	a. :	3089	b. NA	C.	d.	·	e.	f.
Latitude	- Day		Latitude	Secondo	Dec		Longitud	ie Seconds
and Longitude		<u> </u>	47	30		<u></u>	02	30
Dun & Bradstı	reet N	umber	(s) (9 diç	jits)		a. b.	005084124 NA	
EPA Identifica	ation M	lumbe	er(s) (RCR	A I.D.No.)		a.	ILD005084:	124
•			(12 cl	naracters)		b.	NA	
Facility NPDE	S Per	mit Nu	ımber(s)			a.	KA	
		(9 cha	racters)			b.		
Underground	Injec	tion W	ell Code (l	JIC) I.D.		a.	HA	
Number(s)			~~~~~~~~~~~~~ <del>~~~~~~~~~~~~~~~~~~~~~~~~</del>			b.		
		ОМР	ANY INFO	RMATION				
□ NA							·	
				AW				
	This report co (Important: check Important: check Importa	This report contains (Important: check of Technical Contact  Public Contact  SIC Code (4-digit) a.  Latitude and Longitude Des Aldentification for the Company of the Compa	This report contains inform (Important: check only on Technical Contact	This report contains information for: (Important: check only one)  Technical Contact  Public Contact  SIC Code (4-digit)  Latitude and Longitude  Degrees Minutes  Longitude  Public Contact  RALPH GRANDLE  Latitude Degrees Minutes  Minutes  Longitude  Public Code (4-digit)  Latitude Degrees Minutes  Latitude Degrees Minutes  Longitude  Paracteris (9 digital contacts)  Code (12 c)  Facility NPDES Permit Number(s) (9 digital contacts)  Underground Injection Well Code (Number(s)) (11  TION 5. PARENT COMPANY INFO	This report contains information for: (Important: check only one)  Technical Contact  Public Contact  RALPH GRANDLE  SIC Code (4-digit)  Latitude and Longitude  Degrees Minutes Seconds  Longitude  Degrees Minutes Seconds  Technical Contact  RALPH GRANDLE  Latitude  Degrees Minutes Seconds  Toun & Bradstreet Number(s) (9 digits)  EPA Identification Number(s) (9 digits)  Facility NPDES Permit Number(s) (9 characters)  Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)  TION 5. PARENT COMPANY INFORMATION  Name of Parent Company  NA  Parent Company's Dun & Bradstreet Number	Technical Contact    Name   LARRY MCDANTEL	This report contains information for: (Important: check only one)  Technical Contact    Manne	This report contains information for: (Important: check only one)  Technical Contact  LARRY MCDANIEL  Public Contact  RALPH GRANDLE  SIC Code (4-digit)  Latitude  and Longitude  Degrees Minutes Seconds Degrees Minutes  Longitude  Doun & Bradstreet Number(s)  (12 characters)  Dun & Grandle Code (UIC) I.D. Number(s)  Underground injection Well Code (UIC) I.D. Number(s)  Name of Parent Company  NA  NA  Parent Company's Dun & Bradstreet Number  Name of Parent Company  NA  RA  Parent Company's Dun & Bradstreet Number  Name of Parent Company  NA  RA  Parent Company's Dun & Bradstreet Number  Name of Parent Company  NA  RA  Parent Company's Dun & Bradstreet Number  Name of Parent Company  NA  RA  Parent Company's Dun & Bradstreet Number



Agency

## **EPA FORM R**

## PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER

60515TRCNN2325W

Toxic Chemical, Category, or Generic Name
TETRACHLOROETHYLENE

SECT	TION 1. TOXIC C	HEMICAL IDENTITY		NOT complete this omplete Section 2 below.)
	CAS Number (Important: Enter	r only one number exactly as it appears o	n the Section 313 list. En	ter category code if reporting a chemical category.)
1.1	000127-18-4			
	Toxic Chemical or Chemical Ca	tegory Name (Important: Enter only one	name exactly as it appears	on the Section 313 list.)
1.2	TETRACHLOROETHYLE	NE		
	Generic Chemical Name (Impor	tant: Complete only if Part I, Section 2.1	is checked "yes." Generic	c Name must be structurally descriptive.)
1.3	NA			
				DO NOT
SECT	TION 2. MIXTUR	E COMPONENT IDENT		: DO NOT complete this you complete Section 1 above.)
A 4	Generic Chemical Name Provide	ed by Supplier (Important: Maximum of 7	O characters, including nur	nbers, letters, spaces, and punctuation.)
2.1	NA			
SECT	ION 3. ACTIVIT	IEC AND LICES OF THE	TOYIC CHEN	IICAL AT THE FACILITY
SECI		nt: Check all that apply		
				If produce or import:
	Manufacture	a. Droduce	c	For on-site use/processing
3.1	the toxic	b. Import	d.	For sale/distribution
	chemical:	·	e.	. 🔲 As a byproduct
			f.	. ∐ As an impurity
	B		_	
3.2	Process the toxic	a. ∐As a reactant b. ☐As a formulation c		
3.2	chemical:		omponent a	. — перасказіну
	Gifeliscal.			
	Otherwise use	a DAs a shaminal nea	assaina aid - 0	. X Ancillary or other use
3.3	the toxic	a. ∐ As a chemical pro b. ☐ As a manufacturin		. Let Afficiliary of other use
	chemical:	D. L. A. a mandiactum	g aid	
<del></del>				
SEC		JM AMOUNT OF THE 1 THE CALENDAR YEA		CAL ON-SITE AT ANY TIME
4.1				
7.1	03 (Enter	two-digit code from instruc	ction package.)	



## **EPA FORM R**

# PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY	ID NUM	BE	R	
60515TR	CNN23	2	5 <b>W</b>	
Toxic Chemical,	Category.	Of	Generic	Name

ACATION C		F THE TOXIC CHEMI	CAL TO THE		CONCITE
SELLILINGS	KPI PASES U	- IMF ILJXIL.L.HEMI	LAI IU IRE	PNVIBUNIVIPNI	

			A. Total Release (lbs/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA	NA		
5.2	Stack or point air emissions	] NA	5236	0	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name	9			
A		)			. %
5.3.2	Stream or Water Body Name	9			. %
		- (		ì	.i
5.3.3	Stream or Water Body Name	9			. %
5.3.3 5.4	Stream or Water Body Name Underground injections on-site	) NA	NA .		. %
	Underground injections		NA		. %
5.4	Underground injections on-site		na na		. %
5.4 5.5	Underground injections on-site  Releases to land on-site	] NA			*
5.4 5.5 5.5.1	Underground injections on-site  Releases to land on-site  Landfill  Land treatment/	NA NA	NA		*

Check here only if additional Section 5.3 information is provided on page 5 of this form.



## **EPA FORM R**

## PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI	FACILITY	ID	NU	N	IBEF

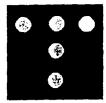
60515TRCNN2325W

Toxic Chamical, Category, or Generic Name

TETRACHLOROETHYLENE

SECTI	011 0.0	MATION ON RELEASES MICAL TO THE ENVIRONMENT	ON-SITE	
5.3	Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/ year)(enter range code from instructions or estima	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4	Stream or Water Body Name			
				. %
5.3.5	Stream or Water Body Name			
5.3.6	Stream or Water Body Name			. %
				. %
SECTI	ON 6. TRANSFERS OF THE TO	YIC CHEMICAL IN WASTES TO	OFF-SITE LOCA	TIONS
<u> </u>				
		ICLY OWNED TREATMENT WO	JRKS (PUTW)	
6.1.A	Total Quantity Transferred to PC	TWs and Basis of Estimate		
6.1.A.1	Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of E (enter coo		
	NA			
6.1.B	POTW Name and Location Infor	mation		
6.1.B.0	11 POTW Name	6.1.B.02 POTW N	ame	
Street A	ddress	Street Address		
City	County	City	County	
State	Zip Code	State	Zip Gode	
			I	
	itional pages of Part II, Sections			_
naga	in this how 01 and indicate wh	ich Dart II. Sections 5 2/6 1 noc	sathicis hara 1	1

(example: 1, 2, 3, etc.)



Instruction: W4.9.10	Issuer: Larry McDaniel	
Issued Date: 4 / 26 (01	Rev Date: 4/26/01	Tricon EMD
Approved By	b. Jehale	CONTROLLED

### Spill Contingency Plan Work Instruction

#### 1.0 Purpose

To insure adequate control measures are in place to contain and clean a chemical spill within Tricon, EMD.

#### 2.0 Scope

Finishing Department
Manufacturing - Janes Street and Wisconsin Avenue plants.

#### 3.0 Responsibilities

Finishing Department employees Plant Manager Plant Superintendent (nights) Designate

#### 4.0 Instructions

- 4.1 Tricon continues to work with risk management consultants in reducing the possibility of spill or leakage of hazardous materials. To minimize the risk, Tricon has adopted the following guidelines.
  - Limit the quantities of hazardous material on hand.
  - Proper storage and transportation of materials.
  - Adequate training for all personnel working with or transporting hazardous materials.
  - Maintain an up-to-date contingency plan.

----

- Adequately inform local emergency response agencies of materials on hand, storage techniques and emergency contact personnel.
- Maintain adequate supplies of spill clean-up and containment kits.
- 4.1.1 All floor drains in the vicinities of chemicals will be plugged. Chemicals in drums within the Plating/Finishing area will be placed on containment pallets or over spill containers.
- 4.1.2 Acids, cyanides, and caustic chemicals will be stored in locked cabinets. Control of these cabinets will be the responsibility of Finishing Department employees.
- 4.1.3 In the event of a mishap, the proper individuals and agencies will be notified.

  The Plant Manager or Manufacturing Director will coordinate this effort. If an evacuation is required, the Emergency Evacuation Guidelines will be followed.
- 4.1.4 Copies of this plan will be available at the MSDS centers, Finishing Department, and the Plant Manager's office.



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4 / 26 / 01	Rev Date: 4/ 26 / 01

4.1.5 The Environmental Manager will update the plan whenever a new chemical or significant change to processes occurs.

#### 4.2 Reporting of a Slug Discharge

- 4.2.1 A slug discharge is defined as a permitted pollutant or as a concentration five times or more the stated permitted limit, or a pollutant or chemical spill that would be discharged through the wastewater treatment.
- 4.2.2 The following information must be reported to the Downers Grove Sanitary District:
  - The date and time of the incident
  - The type and amount of material
  - The cause of the incident
  - The extent of personal injury and damage
  - A written report must then be filled within 5 days describing the incident fully and what preventative actions will be taken.
- 4.3 On the following pages are listings of hazardous chemicals, the storage quantities, containers, locations, and a summary of clean-up guidelines. Of utmost concern is the safety of our employees and the local community. Because the chemicals used at Tricon present little immediate danger to the community, employee health and safety must be given top priority during an evacuation or clean-up program. If the Emergency Coordinator has any doubt of the risk to employees, he or she should immediately evacuate all personnel and confer with and utilize the expert advice of the appropriate agencies.

#### 4.3.1 ACIDS

#### Portable Containers (1 gallon or smaller)

Acids in these quantities are to be stored in approved storage cabinets that include self-contained spill trays. Spills or leaks would be contained within cabinet.

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: Less than one gallon
- Possible cause of release: Container breakage
- Clean-up procedure: Use acid spill kit, located in finishing department, followed by approved disposal of clean-up kit. Neutralize with soda ash. Use approved personal protective equipment, goggles with shield, lab coat, apron, rubber gloves. Refer to MSDS.
- Environmental Damage: N/A
- Containment: Acid cabinet
- Not reportable for gallon spills.

#### Thirty (30) gallon carboys

Acids in carboys are to be stored in authorized area only. Area is such that there is restricted access and NO through traffic. Floor drains are not located in area. Drums are not to be opened and contents are not to be transferred to other containers while in storage area.



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4 / 26 / 01	Rev Date: 4/ 26 / 01

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: Thirty (30) gallons
- · Possible cause of release: Drum rupture
- Clean-up procedure: If conditions warrant, place leaky carboy in salvage drum to minimize discharge, or pump contents into another container. Use acid spill kit, located in Finishing Department, to absorb spill. Neutralize with soda ash. If possible, plug leak with drum plug. Dispose of drum and clean-up kit in approved manner. Use adequate protective equipment-goggles with shield, lab coat, apron, and rubber gloves.
- Environmental damage: No foreseeable damage. Leak maintained within over pack container.
- Not reportable for a spill of one container.

#### Fifty-five (55) gallon drum (Deox cleaner)

Fifty-five gallon drum to be stored within the Plating Department on containment pallet. Limit one drum in inventory.

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: Fifty-five (55) gallons
- Possible cause of release: Drum rupture
- Clean-up procedure: Place drum in salvage drum. Pump contents into different container, or plug leak with a drum plug. Use approved clean-up kit, located in Finishing Department to absorb spill. Neutralize with soda ash. Use adequate protective equipment, goggles with shield, lab coat, apron, and rubber gloves. See MSDS for additional information.
- Environmental damage: None
- Containment: In pallet within department
- Dispose of clean-up materials in properly labeled waste drums for proper disposal.
- Not reportable for spill of one container.

#### 4.3.2 CAUSTICS (SODIUM HYDROXIDE)

Minimize hazard by limiting storage to one 55-gallon drum. Drum must be located in approved storage area away from traffic and floor drains. Drum is not to be opened nor contents to be transferred while in storage area. Drum is to be stored in upright position on containment pallet.

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: Fifty-five (55) gallons
- Possible cause of release: Drum rupture
- Clean-up procedure: Place drum in salvage drum. Pump contents into a different container, or plug leak with drum plug. Use approved clean-up kit to absorb spill. Dispose of drum and clean-up kit in approved manner. Use adequate protective equipment. Refer to MSDS.
- Environmental damage: Slight to None. Spill should be contained within building in containment pallet.
- Not reportable for spill of one container.



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4 / 26 / 01	Rev Date: 4/26/01

# 4.3.3 PLATING SOLUTIONS (also see Cyanides and Cyanide Solutions) NICKEL ELECTROLESS AND ELECTROLYTIC, COPPER, SILVER, GOLD SOLUTIONS

Solution stored in holding tank within the Plating Department. If leak develops, material is to be pumped into plating tank.

- Probability of spill or leak: Slight
- Maximum quantity of spill: 30 gallons
- Possible cause of release: Drum rupture
- Clean-up procedure: Minimize leak by pumping drum into plating tank. Use absorbent spill kit to contain spill. If spill cannot be contained with absorbent material, solutions entering drains will be caught in our wastewater pretreatment system. Shut down water flow into system in order to capture metal plating solutions. Materials will be settled out or treated before system can be reactivated. Avoid contact with acids.
- Floor drains in area will be plugged or raised to contain spill in department
- Environmental damage: Slight to None. Materials will be trapped within building and pretreatment system.
- A spill of one pound (1 lb.) or more of the cyanide solutions must be reported.
- A spill of ten pounds (10 lb.) or more of the other plating solutions must be reported.

#### 4.3.4 ALKALINE CLEANERS

Alkaline cleaners may be white powder with no significant odor or off-white, opaque, viscous liquid with a soapy odor. Cleaners are stored within Plating Department.

- Probability of spill or leakage: Slight
- Maximum quantity of spill: 30 gallons
- Possible cause of release: Drum or container rupture
- Clean-up procedure: Flush spill area with water. Pretreatment system will neutralize pH as flushed materials enter drains and system. Place leaking container in salvage drum to minimize spill. Wear personal protective equipment. Refer to MSDS.
- Environmental damage: None. Pretreatment system capable of neutralizing pH.
- Liquid cleaners to be placed on containment pallet.
- Not reportable for spill of one container.

#### 4.3.5 OILS

Hydraulic, cutting, and compressor oils are used and stored in both buildings. Spills or machine leaks are recovered with absorbents. Oil-soaked absorbents are collected in drums and disposed of according to requirements.

- Probability of machine leakage: Doubtful
- Maximum quantity of spill: 55 gallons
- Possible cause of release: Drum puncture
- Probability of machine leak: Likely
- Maximum quantity of machine leakage: 5 gallons



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4 / 26 / 01	Rev Date: 4/ 26 / 01

- Clean-up procedure: Contain spill or leakage using oil absorbent "socks".
   Use other absorbents to pick-up oil, dispose of absorbents in labeled 55-gallon drums.
- Environmental damage: None. Oil will be trapped within building; absorbents will be disposed of according to requirements.
- Not reportable for (non-hazardous) spills.

#### 4.3.6 PERCHLOROETHYLENE

Perchloroethylene (including dirty Perchloroethylene) is stored in a restricted area. There are no drains in the area and there is no through traffic. Drums are stored in an upright position on containment pallets. Contents are transferred to vapor degreaser by mechanical pump in order to limit spills.

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: 55 gallons
- Possible cause of release: Drum puncture
- Clean-up procedure: Pump contents of leaking drum into another container
  or plug leak with drum plug. Use solvent cleanup kit and dam kits to restrict
  spill to small area. If significant leak occurs, there is some possibility of
  material flowing to the outside of building. However, leak should be
  maintained within building. Dispose of clean-up material, contaminated earth,
  and drum through an approved source. All contaminated material must be
  stored in sealed drums. Only individuals with proper respirator and protective
  equipment may be in the area. Refer to MSDS.
- Environmental Damage: Slight to none. Material should be trapped within the building. Ventilation system will discharge to minimum. Dispose of clean-up and containment materials in labeled barrel through an approved waste disposal company.
- .. Reportable for spills of 100 lbs. or more.

#### 4.3.7 ISOPROPYL ALCOHOL:

Isopropyl alcohol is stored in an approved flammable safety cabinet with proper grounding. There are four approved drip pans used within the Seam Welding Department. There are no floor drains in the area. Storage is limited to one 55-gallon drum that is maintained in an upright position.

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: 55 gallons
- Possible cause of release: Drum rupture or overturning drip pans
- Clean-up procedure: Pump contents of leaking drum into another container. Place drum in salvage drum or plug leak with drum plug. Use cleanup kit and dam kit, located in Assembly area, to restrict spill to small area. Leak should be maintained within building. Dispose of clean-up material and drum through an approved source. All contaminated materials must be stored in sealed drums. Only individuals with proper respirator and protective equipment may be in the area. Refer to MSDS.



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4/26/01	Rev Date: 4/ 26 / 01

- Environmental damage: Spills would be restricted to the Assembly area. All
  electricity should be shut off in the area. There may be some vapors
  discharged through ventilation system, but prompt clean up will keep
  discharge to a minimum.
- Not reportable for spills of one drum.

#### 4.3.8 CYANIDES AND CYANIDE SOLUTIONS

Potassium cyanide and plating solutions comprised of cyanides are used and stored within the Plating Department. There are also two storage cabinets containing cyanides. These cabinets are in an area without floor drains and are kept locked at all times. One cabinet contains cyanide in a dry form, and therefore, represents little spill potential. The other is a solution and there are spill trays within the cabinet. A spill of cyanide solutions within the Cleaning Department is unlikely but would not be significant. The spill could be recovered quickly and the area flushed with water. All floor drains within the area plugged or raised to contain spill. Acids are kept away from cyanides. Spills of cyanide solutions in a storage cabinet are unlikely, but could be maintained through the spill trays, clean-up kits and dam kits located in the Finishing Department. Only individuals with full-face respirators and appropriate personal protective equipment may be in the area. Refer to MSDS.

- Probability of spill or leakage: Doubtful
- Maximum quantity of spill: Cyanide solution 5 gallons; Cyanide powders/salts 75 pounds.
- Possible cause of release: Spill during transferring of materials to plating tanks or portable containers.
- Environmental damage: Clean-up procedures and handling procedures should prevent any environmental damage.
- Clean-up procedure: Neutralize with sodium hypochlorite. Dispose of cleanup and containment materials in labeled drum through an approved waste disposal company.
- Reportable for spills of 1 lb. or more.

#### 4.3.9 PLASTIC MOLDING COMPOUNDS

All compounds come in pellets or granule form. Accidental spill or discharge causes no health or environmental hazard. Materials should be immediately swept up to prevent fall hazards. Materials are stored in material storage area. In the event of a fire, materials will emit toxic vapors. Firefighters must use a positive pressure, self-contained breathing apparatus.

- Probability of spill or leakage: Spills of small quantities occur frequently
- Maximum quantity of spill: 100 pounds
- Possible cause of release: Torn or damaged storage bag
- Environmental damage: None except during fire when toxic fumes will be emitted. Ash from fire residue may contain toxic materials.
- Not reportable for spills.
- Materials / absorbents used in cleanup of a spill will be stored in drums for disposal by a licensed waste hauler.



Instruction: W4.9.10	Issuer: Larry McDaniel
Issued Date: 4/26/01	Rev Date: 4/ 26 / 01

#### 4.4 Process Description

- 4.4.1 Plant manufactures switches, contact assemblies, and insert molded assemblies. The forming and assembly processes include metal forming, degreasing, molding, spot welding, and final assembly.
- 4.4.2 Wastewaters from the manufacturing operations are generated primarily from parts washing operations and rinse waters. Wastewater treatment includes acid neutralization and overflow basins that allow for metals to settle out before discharge to treatment pit. The treatment effluent is discharged to the city sewer system. Solvents are not discharged into wastewater. Wastewater discharge flow does not exceed 8000 gallons/day.

#### 4.5 Solvent Usage and Control

- 4.5.1 Plant operations involve organic solvent usage, which can contain one or more of the one hundred eleven (111) organic materials regulated under the metal finishing pretreatment regulations. These may be used in the cleaning of components during various phases of manufacture. All solvents are reclaimed. Solvents in use are presently limited to Perchloroethylene. Solvents to be stored on containment pallets.
- 4.5.2 Access to chemical storage cabinets will be limited to authorized Plating/Finishing employees.
- 4.5.3 The bulk of hazardous chemicals are used in the plating/finishing department, thus access will be controlled and limited to authorized plating/finishing personnel. Spent solvents used for cleaning will be collected in drums for proper disposal. All used and/or contaminated material will be stored in appropriately identified and labeled containers, and will be kept in a secured designated area until removed for reclamation or disposal by a licensed hazardous waste hauler.

#### 4.6 Labeling

4.6.1 All incoming containers, including bulk deliveries and subsequent re-drumming, containing regulated organic solvents and/or cleaners will be labeled upon receipt with the following information:

Material contains Regulated Organic Solvents

- A. Use only in designated area
- B. Do not permit this material to enter plant
- C. Dispose of only in designated and identified containers
- 4.6.2 Waste drums will be labeled with the following information:
  - A. Nature of the contained waste
  - B. Date accumulation began
  - C. Hazard classification



Instruction: W4.9.10	Issuer: Larry McDaniel					
Issued Date: 4 / 26 / 01	Rev Date: 4/26/01					

#### 4.7 Training

- 4.7.1 All personnel involved in degreasing activities will receive instructions in proper handling and disposal of solvents in order to keep regulated organic materials out of industrial wastewater. New employees will be trained in these procedures immediately. All personnel working in these activities are familiar with this solvent management plan and will follow the procedure established in this standard to eliminate regulated organic materials from entering the waste water system.
- 4.7.2 Training consists of classroom instructions which reviews the following:

  The organic solvents that are known to be in use at the plant and the areas in which they are used. The Solvent Management Plan and the proper procedures for handling and disposing of the respective solvents.

#### 4.8 Inspections

Degreasers are inspected routinely by the area supervisor to verify cleaning procedures and adherence to this solvent management plan to insure that it does not spill or leak into plant sewers.

#### 4,9 Control/Cleanup

<u>LOCATION</u>
Assembly Department
Plating Department
u
и
α
α
lt.
u
tt.
First Aid Room
u
South half of Wisconsin Ave. building
Janes building
Throughout both buildings
West side of Wisconsin building
Plating Department
Throughout both buildings
и
At sprinkler standpipe
Plating Department
и
Assembly Department
Plating Department
ú
it "



Instruction: W4.9.10	Issuer: Larry McDaniel					
Issued Date: 4 / 26 / 01	Rev Date: 4/26/01					

### 4.10 CHEMICALS ON HAND AND QUANTITY

<u>CHEMICAL</u>	QUAN	NTITY
Acetone	3.8	liters
Actane 73	100	lbs.
Actane 342	100	lbs.
	5	Gal.
Alkleen 501		
Ammonium Hydrate	40	lbs.
Benzotriazole	55	Gal.
Boric Acid	5	lbs.
Copper Cyanide	5	Gal.
Deox	55	Gal.
Electrolytic Nickel	35	Gal.
Enbond Q-527	100	lbs.
EDM 244 (Dielectric Fluid)	55	Gal.
EDTA	5	lbs.
Enplate NI-416 M	150	Gal.
Enplate NI-416 R	1	Qt.
Enplate NI-416 S	1	Qt.
Fluoboric Acid	100	mi
Hydrochloric Acid	10	lbs.
Isopropyl Alcohol	55	Gal.
, . <del>.</del>	30	Gal.
Nickel Sulfamate		
Nitric Acid	10	liters
Oakite #3	100	lbs.
Oakite Metal Sheen	5	Gal.
Orosene 80 Brightener	2	Gal.
Orosene 80 Buffer Salts	20	lbs.
Orosene 80 Gold Plating Solution	30	Gal.
Orosene 80 Gold Salts	5	OZ
Orotemp 24 Buffer Salts	10	lbs.
Orotemp 24 Gold Salts	5	ΟZ
Perchloroethylene	160	Gal.
Phosphoric Acid	1	Gal.
Potassium Copper Cyanide	5	Gal.
Potassium Cyanide	75	lbs.
Potassium Hydroxide	5	los.
Potassium Silver Cyanide	100	oz
Silver Brightener E-2	2	Gai.
<del>-</del>	30	Gal.
Silver Cyanide Plating Solution		
Silver Brightener B-2	1	liter
Sodium Cyanide (Hydrocyanic Acid)	2.5	ƙg
Sodium Dichromate	5	lbs.
Sodium Hydroxide	4	liters
Sodium Hypochlorite	110	Gal.
Sulfuric Acid	15	liters
Tower Hydraulic Oil	220	Gal.



Instruction: W4.9.10	Issuer: Larry McDaniel				
Issued Date: 4 / 26 / 01	Rev Date: 4/ 26 / 01				

#### 5.0 References

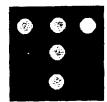
Downers Grove Sanitation Waste Water Discharge Permit #2 Environmental Compliance Waste Management Work Instruction Hazard Communication Procedure

#### 6.0 Records

Manifests

### 7.0 Governing Policies

Tricon, EMD, Quality Manual



Instruction: W4.9.11 Issuer: Larry McDaniel
Issued Date: 4/26/01 Rev Date: 4/26/01

Tricon EMD CONTROLLED

Environmental Compliance - Waste Management Work Instruction

#### 1.0 Purpose

To insure that Tricon is in compliance with relevant environmental legislation and regulations (40 CFR Part 260 through 263).

#### 2.0 Scope

Finishing Department
Manufacturing - Janes Street and Wisconsin Avenue plants.

#### 3.0 Responsibilities

Finishing Department Plant Manager Maintenance Supervisor Designate

#### 4.0 Definitions

Hazardous Waste: Any chemical/material that according to applicable

government safety and environmental regulations requires

special handling, recycling, and disposing standards.

Used Oil:

Hydraulic oil that can no longer be used.

EDM:

Electric Discharge Machining

#### 5.0 Instructions

- 5.1 Tricon Industries will collect all hazardous and non-hazardous material in approved containers. All materials will be removed by Heritage Crystal-Clean. These materials are:
  - Used Oil burned for fuel.
  - Oil Filters Oil removed and burned, metal recycled.
  - Absorbents Oil removed and recycled.
  - EDM Filters Treated and recycled.
  - Filter Paper Paper burned for fuel.
  - Solvent Parts Cleaning Recycled.
  - Nickel Waste Treated and disposed of.
  - Actane Waste Treated and disposed of.
  - Perchloroethylene Vapor Degreasing Waste Cleaned and recycled.
  - Aerosol Cans ~ Cans will be crushed and all propellants captured for recycling.
  - Coolant Metal removed and all recycled.
  - Light Bulbs All parts to be recycled.



Instruction: W4.9.11	Issuer: Larry McDaniel	
Issued Date: 4 / 26 / 01	Rev Date: 4 / 26 / 01	

- 5.2 **Recyclables:** Cardboard and paper bags with plastic liners are compacted and baled for recycling.
- 5.3 **Labeling:** All chemicals, hazardous, and non-hazardous materials at Tricon are properly labeled. Labeling identifies the chemical or substance.
- 5.4 **Training:** All employees exposed to hazardous material will receive training in the handling of chemical products (as appropriate).

#### 6.0 Reporting

- 6.1 Tricon Industries will keep the return copy of each hazardous waste manifest, signed by the designated facility, as well as the generator's original copy. All manifests, test results, waste determinations, and LDR forms must be filed onsite for at least three years from the date the waste was shipped off site.
- 6.2 The Illinois Special Waste Generation Report will be filled out for any year that Tricon ships to an out-of-state facility.

#### 7.0 References

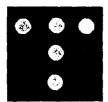
Hazard Communication Procedure Spill Contingency Work Instruction

#### 8.0 Records

Manifests - 3 years (See Section 6.0)

#### 9.0 Governing Policies

Tricon, EMD, Quality Manual



Instruction: W4.9.12 Issuer: L. McDaniel
Issued Date: 4/26/01 Rev Date: 4/26/01 Tricon EMD
CONTROLLED
Approved By

**Environmental Compliance - Wastewater Work Instruction** 

#### 1.0 Purpose

To insure compliance to relevant Federal, State, and local environmental legislation (40 CFR Part 433).

#### 2.0 Responsibilities

Finishing Department employees Plant Manager Human Resources Manager

#### 3.0 Definitions

ORP: Oxygen Reduction Potential

pH: Measurement of alkalinity / acidity

#### 4.0 INSTRUCTIONS

#### 4.1 GENERAL

- 4.1.1 Rinse water from the Plating and Finishing Department is pretreated prior to discharge to the sanitary sewer system. The treatment provided includes an alkaline chlorinating treatment for cyanide destruction and final pH adjustment.
- 4.1.2 Accumulated solids from the settling basin will be periodically analyzed, manifested, and disposed of in an appropriate manner that meets all applicable laws.
- 4.1.3 The discharge flow from the Finishing Department shall not exceed 8,500 gallons per day and a pH range of 6.0 to 9.0 (unless authorized by permit). Daily flow will be recorded on Form 4.9-32.
- 4.1.4 Sampling and analysis.

#### 4.2 INSTRUCTION

#### 4.2.1 pH

- 4.2.1.1 Grab sample will be taken at point of discharge three (3) times per month (on an hourly basis) during the operation of the department. Analysis will be made using the electronic pH meter. Information will be recorded on Form 4.9-32.
- 4.2.1.2 The pH from cyanide pit will be taken from the meter on control panel (on an hourly basis) and recorded on Form 4.9-32.
- 4.2.1.3 The pH reading from control panel meter will be verified hourly (using starch paper) and the color will be recorded on Form 4.9-32.



Instruction: W4.9.12	Issuer: L. McDaniel				
Issued Date: 4/26/01	Rev Date: 4/26/01				

4.2.1.4 The acid pit pH will be taken from meter on control panel (on an hourly basis) and recorded on Form 4.9-32.

#### 4.2.2 ORP

The readings will be taken from control panel meter (on an hourly basis) and recorded on Form 4.9-32.

#### 4.2.3 ANALYSIS FOR METAL CONCENTRATIONS

- Composite samples will be taken three (3) times per month. These samples will be split between Downers Grove Sanitation and Enviro-Test.
- Analysis will be made for metal concentrations as spelled out in the waste water permit.

#### 4.2.4 WASTE WATER PRETREATMENT (see Process Flow Diagram on page 3)

The system consists of pH and ORP control meters that regulate automatic pumps to dispense chemicals.

- Cyanide destruct is by 12.5% to 14.5% solution of Sodium Hypochlorite.
- pH adjust is by 50% solution of Sodium Hydroxide and 50% solution of s suric acid.

#### 4.2.5 REPORTING

- 4.2.5.1 Reports from Enviro-Test will be reviewed and recorded on control charts posted in the Finishing department.
- 4.2.5.2 Quarterly reports detailing information from form 4.9-32 and Enviro-Test results will be made to Downers Grove Sanitary District by the 20<sup>th</sup> day of the month following the calendar quarter.

#### 4.2.6 CERTIFICATION

Department employees and designates will be certified by the Environmental Protection Agency, State of Illinois as Class "K" Industrial Wastewater Treatment Works Operators.

#### 5.0 References

Article II (A), Section 400 of the Downers Grove Sanitary District's Sewer Use Ordinance.

Process Flow Diagram

Class "K" Certificates

Environmental Compliance - Waste Management Work Instruction Hazard Communication Procedure

#### 6.0 Records

Downers Grove Sanitary District Discharge Permit Number 2

	OBIGINAL	- NOT	NEGOTIABLE							
	Onionivas	- 1101		7011	·		MANIF	EST DOCUMENT	NUMBE	A
·			TRICON =	LHK.	)		<del></del>	SHIPPER NUMBE	Я	
		·	NAME OF CARRIER			(SCAC)		ARRIER NUMBE	Ŕ	
	12 01017	EPA ID #	<del></del>	TIFICATION	G ADDRESS, AND	TEI SEMOME MIL	wace		DAT	E SHIPPED
GENERATOR			2325 Wiscone	cin		3/2		2330	OR	RECEIVED
SHIPPER		084134	4710 W ROUSE	velt	S GRO	· 312	26/72	36	+	
TRANSPORTER # 1	1204	16957/5	H. ROSKINMOTOF	-SEEV	KE C	HIC44	0 600	250	<del> </del>	
TRANSPORTER # 2 (if required)										2
TSDF TREATMENT STORAGE OR DIS POSAL FACILITY Total	INDOK	360265	AMERICAN CHE	uical	SERVIC	3127 E GE		700 H 1 ND	7	0/9
TSOF TREATMENT STORAGE OR DIS-			N A	T			E	· ·		7
POSAL FACILITY			WASTE	INFORMA	TION		·.=	<u> </u>	<u> </u>	
O, OF UNITS A	T EPA	DES	CRIPTION AND CLASSIFICATION	UN #	EXEMPTION	FLASH POINT				CHARGE
CONTAINER HM	HAZ WASTE IO 0	(Pr Identificati	oper Shipping Name, Class and on Number per 172.101, 172.202, 172.203	NA e	OR NO LABELS		WT/VOL	TOTAL QUANTITY	RATE	(For Carrie Use Only
2	Foot	PER	ELHL-DR	1887		LONE	Sol	10090	<i>!</i> [	
						}				
				Ì						
					1					
				-		1				
SPECIAL HANDL	ING INSTRU	UCTIONS			If an must	RQ commodity is be promptly repo	spilled on a worted to the Fed	sterway or adjoining eral government at OT Hazardous Mater	land, the 1-800-424	e incident -5502 (toll
COMMENTS				<del></del>	creati 1-800	ny a serious sit 424-9300 immedia	ustion, call ship stely.	oper's telephone nu	mber or	Chemtrec
COMMENTS .								PLACARI		NDEREC
On "Collect on Deliv	ery" shipmen	its, the letter	s "COD" must appear before consign	nee's name or	as otherwise p	rovided in Item	430, Sec. 1	I C.O.D. FEE:		
C.O.D. TO: ADDRESS				COI	D	Amt: \$		PREPAID []	\$	
Neste—Where the rate is due required to other specific declared value of the properting agreed or declared va	opendert on value, ally in writing the r.	aproperty To border	"If the shipment moves between two port a carrier by water, the law requires that bill of tading shall state whether it	13 Dy   the conseg t the   the carr it is   The carr	not shad not make or	n the consegnor, the ci hvery of this sharner	nt is to be detirored prougher shall sign it it without payment	TOTAL CHARGES:	\$ CHARG	FS
specifically stated by the sh	*		"carrier's or shipper's weight."	trought and	t all other tourist charg	ne of Consigner)		FREIGHT PREPAID second or or or right is checked		ech pole of charge and to d come
Bill of Lading	he property des	cribed above in	d tariffs in effect on the clate of the leave of a apparent good order, except as noted (conte known), marked, consigned, and destined	ints any tin	ne interested in al	l or any said propi	erty, that every s	estination and as to our ervice to be performe in the governing class	id hereund	Ser .
indicated above as meaning am to carry to its u	e which said carr r person or corpo sual place of del	rier (the word ca pration in poses divery at said de	urter being understood throughout this contr usaion of the property under the contract) agr ustination, if on its route, otherwise to delive	ract the da was Ship r to the go	ite of shipment. oper hereby cartifle marning classificat	e that he is familia ion and the said !	er with all the bill terms and condit	of lading terms and clions are hereby agre	conditions	in.
another carrier	on the route to s	and destination	, it is muriually agreed as to each center of al	RTIFICATI	r and accepted for	r nimser and nis	istigns.			<del></del>
This is to certi	ly that the	above-nam			tify acceptant	ce of the haz	ardous wast	e shipment.		
	n for transp	portation a	ccording to the applicable	ANERODIES E	SIGNATURE & D	NAVE TRANS	consten en eu	NATURE & DATE (	f manufact	. (
proper condition			sportation and the U.S. En	This is to	certify accept	tance of the	hazardous v	vasté for treatn	nent	
		incy	1 -//	storage bi	r_0,5005Ai.	\ /		//		
proper condition regulations of fi	tection Ace	long	/2m 3/1/8	storage by	SIGNATURE	0	all	1 3/16	7/8	3

ORIGINAL - RETURN TO GENERATOR

かいがん ななれ

	nboo	S WAS	TE MANIFE	231					4		
						•		MANIF	EST DOCUMEN	T NUMBE	R
									SHIPPER NUMI	BER	<del></del>
		<del></del> -	NAME OF CAR	RIER			(SCAC)		ARRIER NUME	BER	<del></del>
				IDENTIF	CATION						
	12 DIGI	T EPA ID #				ADDRESS, AND				DAT	E SHIPPED RECEIVED
GENERATORI SHIPPER			fricon Mfg 2424520	1							
TRANSPORTER # 1	ILD04	5695715	H Roskin	4710 Roc	8678]	t Chgo	I1 606	50 261	7236		
TRANSPORTER # 2 (If required)						,					
TSDF TREATMENT STORAGE OR DIS— POSAL FACILITY	INDO1	5360265	Amer Chek	Serv Gr	irri	h In 40	5319 3	12 768	3400	11/	17/3
TSDF TREATMENT STORAGE OR DIS— POSAL FACILITY					· · · · · · · · · · · · · · · · · · ·	· · · · · ·	-	: <u>:</u>			<i>.</i>
	<i>j</i>			WASTE INF	ORMAT	ION					
O. OF UNITS A HM	EPA HAZ WASTE ID #	(Prop	RIPTION AND CLASSIFIC per Shipping Name, Class I Number per 172.101, 172	and i	UN D OF NA B	EXEMPTION OR NO LABELS REQUIRED	FLASH POINT (IN °C) WHEN REQ'D	UNITS WT/VOL	TOTAL	RATE	CHARGE (For Carrie Use Only
/ Sar	F001	Perch	lor ORM-A		1897		none	55g	150g		
	F001	// /	RICHLUR	NE	-031		A1		109		
SPECIAL HANDL	ING INSTR	UCTIONS				must b	e promptly repo 202-426-2675 (to	irted to the Fed il call), il olher D	sterway or adjoini eral government a OT Hazardous Mai per's telephone i	il 1-800-424 Jerials are d	1-8802 (toll
COMMENTS -	ery" shipme	nts, the letters	"COD" must appear b	efore consignee's	name or a				PLACAF Yes [	DS TE	
REMIT C.O.D. TO: ADOmESS					COL	)	Amt: \$		C.O.D. FEE: PREPAID [] COLLECT []	s	
Note—Where the rate is d are required in state specific declared value of the proper The agreed or declared val	telly in writing the y. Ive of the property	to hereby	of the shipment moves be a carrier by water, the land bill of lading shall stated carrier's or shipper's we	w requires that the ate whether it is	for consigner for comments of the comments of	Section F of the cong is without recourse on Hamont ir shalt not make deli- if other lawful charge	rne consignor, the co very of this shipmen	onsignor shari sign ri	CHARGES:	\$ IT CHARG	ES
specifically stated by the shi	<u> </u>		ariffs in effect on the date	Signature	any of		are of Consignor)	ol said routs to d	FREIGHT PREFAIC except when box all right is checked estimation and as to		201 d CANO
Bitt of Lading, the same condition indicated above as meaning any to us unit to carry to its units.	the property de of contents of a which said car y person or corp sual place of di	scribed above in ap if pechages unline mer (the word carri poration in possess divery at said dest	parent good order, except own), merked, consigned only independent of through orders through the property under the ination, if on its route, other is mutually agreed as to except the property and the ination of the independent of the ination of	as noted (contents, and destined as ghout this contract he contract) agrees envise to deliver to	any timeshall be the date Shipp the government	e interested in all subject to all the E of shipment, or hereby certifies	or any said properties of fading term that he is familia on and the said.	erty, that every so s and conditions or with all the bill erms and condit	mice to be perform in the governing cli- of lading terms and ions are hereby ag	ned hereund assilication diconditions	der on Lin
				CERT	FICATIO	N	· .				
classified, desci proper condition	ribed, pack n for trans ne Departm	raged, marker portation acci lent of Transp	d materials are prid and labeled, and cording to the application and the U.	are in licable .S. En. JFANS	In F	Fy acceptances of the state of	TE TRAN	SPORTER #2 SIG	e shipment.  SNATURE & DATE vaste for treat	•	
GENERATOR:	SSIGNATUR	E P	DAT	<del></del>	<del>*************************************</del>	C) 1.7 000	7 A			75	-

STYLE F-50 & LABELMASTER CHICAGO, IL 60648

1- 70 1ART-63 6RM 11.30.53 TO 1208 T-63 6804 2.2284 NALS3A

HAZARDOUS WASTE MANIFEST MANIFEST DOCUMENT NUMBER SHIPPER NUMBER NAME OF CARRIER CARRIER NUMBER (SCAC) IDENTIFICATION COMPANY NAME, MAILING ADDRESS, AND TELEPHONE NUMBER DATE SHIPPED OR RECEIVED 12 DIGIT EPA ID # TLD005084124 Tricon 2325 Wise. Downers Gr. Il 60515 9642330 GENERATOR SHIPPER ILD045695715 H Roskin 4710 Roosevelt Chgo Il 60650 2617236 TRANSPORTER # 1 TRANSPORTER # 2 (If required) TSDF TREATMENT IMD016360265 Amer Chem Serv Griffith In 48319 3127683460 STORAGE OR DIS-TSDF TREATMENT STORAGE OR DIS-POSAL FACILITY **WASTE INFORMATION** EPA HAZ WASTE ID # CHARGES NO. OF UNITS CONTAINER TYPE DESCRIPTION AND CLASSIFICATION (Proper Shipping Name, Class and Identification Number per 172.101, 172.202, 172.203 EXEMPTION OR NO LABELS REQUIRED FLASH POINT (IN °C) WHEN REQ'D UNF UNITS TOTAL (For Carrier Use Only) RATE HM NA E 3dr F001 Pereblor 1297 **332** 55g 150g none If an RO commodity is spilled on a waterway or adjoining land, the incident must be promptly reported to the Federal government at 1-800-424-8802 (toil free) or 202-426-2675 (toil call). If other DOT Hazardous Materials are discharged creating a serious situation, call shipper's telephone number or Chemtrec 1-800-424-9300 immediately. SPECIAL HANDLING INSTRUCTIONS COMMENTS **PLACARDS TENDERED** Yes 🗆 No 🗆 On "Collect on Delivery" shipments, the letters "COD" must appear before consigned's name or as otherwise provided in Item 430, Sec. 1 C.O.D. FEE. PREPAID COLLECT REMIT C.O.D. TO COD TOTAL "If the shipment moves between two ports a carrier by water, the law requires that t biff of leding shall state whether it "carrier's or shipper's weight." CHARGES FREIGHT CHARGES (Signature of Consignor any of, said property over all or any portion of said route to destination and as to each party at any time interregted in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipmen?

Shipper haveby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns. RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this litt of Lading, the property described above in apparent good order, except as noted (contents Bill of Lading, the property described above in appare and condition of contents of packages unknown) indicated above which said carrier (the word carrier be indicated above mich associating (the wind carrier own in the property under the contract) agrees to carry to its usual piace of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each Carrier of all or

STYLE F-50 & LABELMASTER CHICAGO, IL 60646

vironmental Protection Agency

GENERATOR'S SIGNATURE

This is to certify that the above-named materials are properly classifled, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable

regulations of the Department of Transportation and the U.S. En-

بدينين بهوسيكيد براوانات ليأنو الأندكي كالصحة فالمستعطيعة

TRANSPORTER #2 SIGNATURE & DATE (If required)

DATE

CERTIFICATION

TRANSPORTER IN-SIGNATURE & DATE

TSDF SIGNATURE

storage or disposal.

This is forcertify acceptance of the hazardous waste shipment.

This is to certify acceptance of the hazardous waste for treatment,

± å 532-610

TO BE COMPLETED BY WASTE GENERATOR

#### STATE OF ILLINO!

ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
OO CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

0930868

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 2 (217) 782-6760 SPECIAL WASTE HAULING MANIFEST Tricon Industries Inc., 2325 Wisconsin Ave, 312 964-2330 43030001 (Company Name) Illinois 60515 Downers Grove ILD 0.0 5 0 EPA Number H. Roskin Motor Svc. 4710 W. Roosevelt, Chicago, Ill Hauler Name Hauter Address 312 261-7236 Phone Number S.W.H. Registration Number DISPOSAL STORAGE OR TREATMENT SITE AS Indiana 166 5 4 46319 312 768-3400 FIND 0 1 6 3 6 Phone Number EPA Number Phone Number Perchlorethylene Liquid WASTE NAME: WASTE PHASE: (Liquid, Gaseous, Solid) THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: SHIPPING DESCRIPTION: HAZARO CLASS: 1 8 9 7 UN or NA Number POO1 Perchlor ORM-A GALLONS (Circle One) WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL. QUANTITY OF WASTE DELIVERED: CRS. WEIGHT FOR TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRUMS, TANK TRUCK OPEN TRUCK OTHER (Specify) THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED MARKED AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND JE. PA 4/16/84 I HERERY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION (Authorized Signature) I HEREBY CERTIFY THAT THE ABOVE DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED: (Authorized Signature) (Authorized Signature) DISPOSAL, STORAGE, OR TREATMENT FACILITY" HAZARDOUS WASTE SUBJECT TO FEE I HEREBY CERTIFY THAT THE ABOVE DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: (Authorized Signature) .,/:/\* COMMENTS OR SPECIAL INSTRUCTIONS: 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS IN ILLINOIS: 217 / 782-3637 OUTSIDE ILLINOIS: 809 / 424-8802 or 202 / 426-2675 DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 4 HAULER PART 6 - GENERATOR key. # 4

SITE COPY - PART 3

TO 119 R T-63 6 RM

TO BE COMPLETED BY WASTE GENERATOR

ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706
(217) 782-6760

0930869

	SPECIAL	WASTE HAULING		AUTHORIZATION NUM	13
Tricon Industries Inc.	,2325 Wiscon	sin Ave,	312 964-2	330 0 4 3 0	3000176
(Company Name)	Address Illinois		Phone Number	14 Ger	0 8 4 1 2 4
The same is the state of the same of the s					Number 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
		WASTE HAULER(S			
H. Roskin Motor Avc.		velt, Chic	ago, Ill.	S.W.H. Registration Number	400001
Hauler Name	Hauler Address	312.			4 5 6 9 5 7 1
			one Number		EPA Number
And Carling to Hauter Name	Hauler Address			S.W.H. Registration Number	
			none Number		
	DESTINATION -	DISPOSAL STORAGE (	OR TREATMENT SITE		Tern number of the second
American (Chemical Syc	Adda			9 1	8 0 8 9 0 2
GILLION S.	Indiana	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	312 2768-	3400 IN D 0	146 3 6 0 2
City	State State	Zip	Phone Numbe		EPA Number
Alternate (Facility Name)	Addres			7	Site Humber
THE PERSON OF TH	State	70	Phone Numbe		EPA Number
TO BE COMPLETED BY	to the second of which is provided.		Marie Car		12.1%PN()的1963-1863
THE SPECIAL WASTE BEING TRANSPORTED UNDER TH	III Trichlore	<del></del>	WASTE INDEDITED YE	41.1.14	Gaseous, Solid)
	HAZARO CLASS:			econ.	
III Trichloroethane	ORM-A	_	UN or NA Number	P 0 0	. <del></del>
WEIGHT FOR SOO (S)	WEIGHT FOR I.E.P.A. USE	MUST BE		50	GALLONS (Circle One)
WEIGHT FOR 500 TONS (circle one	) CONVERTED TO CU. YDS.	OR GAL.	OF WASTE DELIVERED:		2 CU, YDS.
METHOD OF SHIPMENT (Circle One) (DR	IUMS	TRUCK OPEN TR	UCK OTHER (Specify	)	<u> </u>
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE IN ACCORDANCE WITH THE APPLICABLE REGULATIONS	ARE PROPERLY CLASSIFIED, DE	ESCRIBED, PACKAGED	MARKED, AND LABELED AND	D IS IN PROPER CONDITION FOR	TRANSPORTATION,
I HEREBY AGREE TO AND CERTIFY THE AGOVE WRITTE	•	T-X	000	DATE	4/16/84
		/ (Autho	rized Signature)		
WASTE HAULER I HEREBY CERTIFY THAT THE DESTINATION AS IND	THE ABOVE-DESCRIBED WASTE .	AND QUANTITY HAS BE	EN ACCEPTED IN PROPER C	ONDITION FOR TRANSPORT AND	I ACKNOWLEDGE
HANN.					
(1) (Authorized Signature)			· · · · · · · · · · · · · · · · · · ·	DATE:	<del>5</del>
(2)(Authorized Signature)		· 1		. GATE:	//
DISPOSAL, STORAGE, OR TREATMENT FACILITY*	AND SECURITION	•	NA 74 DOG		
I HEREBY CERTIEY THAT THE ABOVE-DESCRIBED WAS	STE AND INDICATED QUANTITY	has been accepted a	•	DUS WASTE SUBJECT TO FEE 'E:	TESNO
frank on	ice			. DATE:	4 125189
(Authorized Signature)	· · · · · · · · · · · · · · · · · · ·	<u></u>		<u>.</u>	συ . <sub>γ</sub> . έ
COMMENTS OR SPECIAL INSTRUCTIONS:			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
	*24 UNIIS EME	RGENCY AND SPILL ASS	SISTANCE MIIMREDS.		
IN ILLINOIS: 217 / 782-3637 DISTRIBUTION: PART - 1 GENERATOR PART - 2		PART - 4 HAULER	<u> </u>	OUTSIDE ILLINOIS:	800 / 424-8802 or 202 / 426-26
REV. # 4			and the second		

TO BE COMPLETED BY WASTE GENERATOR

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706
(217) 782-6760

SPECIAL WASTE HAULING MANIFEST

	٠		. ~			-
$\mathbf{a}$	$\cap$	$\sim$	n	0	7	^
Õ	u	-∢	11	×	- /	v
-1)	л	. 1	1)	()	ı	11
_	_	•	•	y	•	J

and the second of the second o	Illinois 605	515	ILDOOS	erator Number 24
THE CONTRACTOR STATES OF THE S	Zip		<u>-</u>	Number
I. Roskin Motor Svc,		NASTE HAULER(S)  Chicago II	S.W.H. Registration Number	4.00001
Hauler Name	Hauler Address	312 261-7236	ILD	25 1 4 5 6 9 5 7 EPA Number
A Rauler Name	Hauler Address	Sangar Tope Prove Number	S.W.H. Registration Number	
merican Chemical Svo		OSAL STORAGE OR TREATMENT SITE		8 0 8 9 t0 2
EHHER TO SEE THE SEE	State State	46319 312 -7 Zip 2 2 2 2 Phone Num		
Alternate (Facility Name)	State	Zip Phone Num	39 hber	Site Number  EPA Number
TO BE COMPLETED BY WASTE GENERATOR	Perchlorethyler	10 70 - 0 20 1	~ Liqui	a distribution
THE SPECIAL WASTE BEING TRANSPORTED UNDER SHIPPING DESCRIPTION:	R THIS MANIFEST IS OF THE DOT HAZARD ( HAZARD CLASS:	WAS1	IE PHASE:	Gaseous, Solid)
Perchlor  1500 WEIGHT FOR D.O. T. U.S. D.O. T. U.S. TONS (circle	ORM-A  WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GA		150 27 XXXXXX 52	GALLONS (Circle One)
	(DRUMS 3 TANK TRUCK	K OPEN TRUCK OTHER (Spec		
100 OF SHIPMENT (Circle One)	Number			
100 OF SHIPMENT (Circle One)	Number  ASTE ARE PROPERLY CLASSIFIED, DESCRIB- TIONS OF THE ILLINOIS DEPARTMENT OF TO	BED, BACKAGED, MARKED, AND LABELED		8/28/84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAIN ACCORDANCE WITH THE APPLICABLE REGULATION AGREE TO AND CERTIFY THE ABOVE WE	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF TR RITTEN INFORMATION	DED, BACKAGED, MARKED, AND LABELED ARABOMITATION AND LE P.A.  (Authorized Signature)	AND IS IN PROPER CONDITION FOR	8/28/84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAIN ACCORDANCE WITH THE APPLICABLE REGULATION AGREE TO AND CERTIFY THE ABOVE WE	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF THE RITTEN INFORMATION HAT THE ABOVE-DESCRIBED WASTE AND OF	DED, BACKAGED, MARKED, AND LABELED ARABOMITATION AND LE P.A.  (Authorized Signature)	AND IS IN PROPER CONDITION FOR	8/28/84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE HAULER  THE SHIPMENT (CIRCLE ONE)  THE ABOVE WASTE HAULER  THE ABOVE WASTE HAULER  THE ABOVE WASTE HAULER	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF THE RITTEN INFORMATION HAT THE ABOVE-DESCRIBED WASTE AND OF	DED, BACKAGED, MARKED, AND LABELED ARABOMITATION AND LE P.A.  (Authorized Signature)	AND IS IN PROPER CONDITION FOR	8/28/84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAIN ACCORDANCE WITH THE APPLICABLE REGULAT I HEREBY AGREE TO AND CERTIFY THE ABOVE WR  WASTE HAULER I HEREBY CERTIFY THE THE DESTINATION AS  (1)  (2)	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF TY RITTEN INFORMATION HAT THE ABOVE-DESCRIBED WASTE AND QUE INDICATED:	Authorized Signature)  (Authorized Signature)  UANTITY HAS BEEN ACCEPTED IN PROPER	DATE:	8/28/84  1 19 84  11 26 84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAIN ACCORDANCE WITH THE APPLICABLE REGULAT.  I HEREBY AGREE TO AND CERTIFY THE ABOVE WR  WASTE HAULER  I HEREBY CERTIFY TH  THE DESTINATION AS  (1)  (Authorized Signature)	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF THE RITTEN INFORMATION  HAT THE ABOVE-DESCRIBED WASTE AND OF SINDICATED:	AUTHORIZED ANARKED, AND LABELED RANSPORTATION AND LE P.A.  (Authorized Signature)  UANTITY HAS BEEN ACCEPTED IN PROPER	DATE DATE:	8/28/84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAIN ACCORDANCE WITH THE APPLICABLE REGULAT  I HEREBY AGREE TO AND CERTIFY THE ABOVE WR  WASTE HAULER  I HEREBY CERTIFY TH  THE DESTINATION AS  (1)  (2)  Authorized Signature)  DISPOSAL. STORAGE, OR TREATMENT FACILITY*	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF THE RITTEN INFORMATION  HAT THE ABOVE-DESCRIBED WASTE AND OF SINDICATED:	AUTHORIZED ANARKED, AND LABELED RANSPORTATION AND LE P.A.  (Authorized Signature)  UANTITY HAS BEEN ACCEPTED IN PROPER	DATE DATE:	8/28/84  1 19 84  11 26 84
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAIN ACCORDANCE WITH THE APPLICABLE REGULAT.  I HEREBY AGREE TO AND CERTIFY THE ABOVE WR  WASTE HAULER  I HEREBY CERTIFY TH  THE DESTINATION AS  (1)  (2)  Authorized Signature)  DISPOSAL STORAGE, OR TREATMENT FACILITY*  I HEREBY CERTIFY THAT THE ABOVE DESCRIBED	Number ASTE ARE PROPERLY CLASSIFIED, DESCRIB FIONS OF THE ILLINOIS DEPARTMENT OF THE RITTEN INFORMATION  HAT THE ABOVE-DESCRIBED WASTE AND OF SINDICATED:	AUTHORIZED ANARKED, AND LABELED RANSPORTATION AND LE P.A.  (Authorized Signature)  UANTITY HAS BEEN ACCEPTED IN PROPER	DATE DATE:	8/28/84  I ACKNOWLEDGE  11

122727-63 1

rance and the consistence of the constraint of t

SITE COPY - PART 3

### STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

LS32-0610

LPC 62 8/81

	FORM HAZARDOUS NASTE MANIFEST	1. Generator's U		Manifest Occurrent No.	2. Page of	1 ini,'ormat required by Minux	ion in the shade by Federal law, I s law.	d areas is but is requ
	tor's Name and Mailing Address		dustries, Inc		Allinois	Manifest Docu		
2325 Wisconsin Avenue  Downers Grove, IL 60515  Billinois Congridge  Generality						J41 TPE	- A	
 Genera	itor's Phone ( 312 ) 9	164-2330	rove, IL 60	515	C	ator's 0 4	3 0 3 0	5 01
5. Transporter 1 Company Name 6. US EPA ID Number C.Minois Transporter's ID  H. Roskin Motor Service [I L D 0 4 5 6 9 5 7 1 5 D(312) 261-7236					D.1460	E 14 . 8		
					261-72	6 Transport	er's Pho	
9 Designated Facility Name and Site Address 10. US EPA ID Number Gillings 2015 4					Transporter's Pho			
American Chemical Service						25		
	iffith, IN 46319				HLFacilit	y's Phone	30000000000000000000000000000000000000	4.0
		<i></i>	IND01636				00 45 67	外心。
	OT Description (Including Proper	Shipping Name, Ha	izard Class, and ID Number		,	13. Total	Uni WVO	aste No
a. HM			<u> </u>	No.	Type	Quantity 194		HW Numb
	Damahlamakhud	- 0016	m. 1007	3:				Fi Oi (
X	Perchlorethylen	ie URM-A	ON 1897	<u> </u>	IM	200505	1 3500	
o	Elected to the top of						EPA	HW Numb
	20	•		ļ			<u>                                   </u>	ization Na
					1		72 EPA	HW Numb
_			•				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ization Nu
		# <u>## 13 1975                                   </u>	. * . * '		1.1			72
d. ::								HW Numb
1	fire Comment of the second	grand magazina	Salatak . Salata			28.73	Author	tzation Nu
1/4/1/200	) mal Descriptions for Materials List	Contract Contract Contract	CO ST CONTRACTOR SALES AND CONTRACTOR SALES	. (4	V Han	Sling Codes for		श्रीक्ष
			in or go to	200	199	42.6	d William	
15. Spec	cial Handling Instructions and Addi					ر نو		
To	be reclaimed		ing single of the same of the		•			•
	T. ( )		·			)		
,			•			.*		
16. GEI	ERATOR'S CERTIFICATION:							
	ve by proper shipping name and a transport by highway according to							
abor			<u> </u>	//	7/	<del></del>	Mont	Date h Day
abor for t	ad/Tunad Nama	and the second second second			,		102	•
abor for t	ed/Typed Name	113	Signature		سيو		102	10-6
abor for t Print	ed/Typed Name  ank Essig  sporter 1 Acknowledgement of		7.8	l	2		102	0 6 Date
abor for t Print Fx 17. Tran	ank Essig		7.8	1	1	7		Date
abor for t Print Fx 17. Tran	cank Essiq sporter 1 Acknowledgement of		74	ed ed	2			Date th Day
Print Fx 17. Tran Print 18. Tran	sporter 1 Acknowledgement of led/Typed Name  Led/Typed Name  Sporter 2 Acknowledgement or F	Receipt of Materials	Signature, M	ed ed	6		Mon	Date th Day Date
Print Fx 17. Tran Print 18. Tran	sporter 1 Acknowledgement of I	Receipt of Materials	74	el el	<i>C</i>		Mon	Date th Day Date
Print Print Print Print Print Print	sporter 1 Acknowledgement of Bled/Typed Name sporter 2 Acknowledgement or Fled/Typed Name	Receipt of Materials	Signature, M	ed ed	6		Mon	Date th Day Date
Print Print Print Print Print Print	sporter 1 Acknowledgement of Bled/Typed Name sporter 2 Acknowledgement or Fled/Typed Name	Receipt of Materials Receipt of Materials	Signature, M	erl	<i>C</i>		Mon	Date th Day Date
Print Print Print Print Print Print	sporter 1 Acknowledgement of Bled/Typed Name sporter 2 Acknowledgement or Fled/Typed Name	Receipt of Materials Receipt of Materials	Signature, M	ed en	(		Mon	Date th Day Date
Print Fr 17. Trans Print 18. Trans Print 19. Disc	sporter 1 Acknowledgement of Ited/Typed Name sporter 2 Acknowledgement or Fited/Typed Name crepancy Indication Space	Receipt of Materials	Signature Signature	and by this	Capillan	avoant as asia	Mon	Date th Day Date
Print Fr 17. Trans Print 18. Trans Print 19. Disc	sporter 1 Acknowledgement of Bled/Typed Name sporter 2 Acknowledgement or Fled/Typed Name	Receipt of Materials	Signature Signature	ed by this m	C C	except as note	Mon	Date th Day Date th Day
Print Fx 17. Tran Print 18. Tran Print 19. Disc	sporter 1 Acknowledgement of Blad/Typed Name sporter 2 Acknowledgement or Fled/Typed Name crepancy Indication Space sility Owner or Operator: Certifican 19.	Receipt of Materials	Signature Signature  pazardous materials cover	ed by this m	uanifest e	except as note	Moni Mon	Date th Day Date th Day  Date
Print Fx 17. Tran Print 18. Tran Print 19. Disc	sporter 1 Acknowledgement of Ited/Typed Name sporter 2 Acknowledgement or Fited/Typed Name crepancy Indication Space	Receipt of Materials	Signature Signature	ed by this m	uanilest (	except as note	Moni Mon	Date th Day Date th Day

STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

L532-0610

1 LPC 62 8/81

UNIFORM HAZARDOUS 1. Generator's US EPA ID No		2 (3-84)				2000-0404. Experi	
WASTE MANIFEST I L D O o 5 0 8		Manifest coment No.	2. Pag of	1 requ	ared by linois la		as is i
Generator's Name and Mailing Address Tricon Industries, Inc. 2325 Wisconsin Avenue, Downers Grove, I	11. 60 <b>5</b> 15		Billino	112	03	ent Number 3	
4. Generator's Phone ( <b>312</b> ) <b>964–2330</b> 5. Transporter 1 Company Name 6. U	JS EPA ID Numbe		D=	D.	4.3	0805	<u>, 1</u>
	) 4 5 6 9 5		0.812	261-7	236	Transporter's	Phor
	JS EPA ID Numbe		Ellinoi	s Transport	er's ID	是常識	Tri de
9. Designated Facility Name and Site Address 10. U	JS EPA ID Numbe		F.( E.		****	Transporter's	Phor
American Chemical Service Griffith, IN 46319			Ln Sci	try's Phone	<b>**</b> #:3	0 8 9 0	0 0
IND ( 11. US DOT Description (Including Proper Shipping Name, Hazard Class,	0 1 6 3 6 C			ງ∻ີ768–: 13.		14.	
THM THE TENER OF THE PROPERTY	, and ID Number,	No.	Type	Total Quantin	1	Unit Waste	No.
a X Perchlorathylene ORM-A UN 1897		3	DM		5 5	1 Authorizatio	0 0 m Nu
b. 11. 12.14 1. 14.14 1. 14.14 1. 14.14 1.				<u></u>		EPA HW	
X 1,1,1, Trichloroethane ORM-A UN 283	31	1	DM	-1-1-1	5 5	1 Authorization	1
	, <del>.</del>			1 1 1		- Authorizatio	n Na
d						ALEPA HW	Numb
The state of the second section of the	÷ . • • • • • •			4		Authorization	
To be reclaimed			· · · · · · · · · · · · · · · · · · ·	PFC			
15. Special Handling Instructions and Additional Information				P. Co			
15. Special Handling Instructions and Additional Information  To be reclaimed	of this consignm	ent are fully	and ac	Curately de	scriber		
15. Special Handling Instructions and Additional Information	and labeled, and a	are in all res	spects i	in proper co	ondition		
15. Special Handling Instructions and Additional Information  To be reclaimed  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and national an	and labeled, and a	are in all res	spects i	in proper co	ondition	Di	ate Day
15. Special Handling Instructions and Additional Information  To be reclaimed  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name  Printed/Typed Name  Sign	and labeled, and a tional government	are in all res	spects i	in proper co	ondition		Day
15. Special Handling Instructions and Additional Information  To be reclaimed  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name Frank W. Essig  17. Transporter 1 Acknowledgement of Receipt of Materials	and labeled, and a tional government	are in all res	spects i	in proper co	ondition	Di   Month   Di   9/   1	0 <i>ay</i> 6/ ate
15. Special Handling Instructions and Additional Information  To be reclaimed  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name Frank W. Essig	and labeled, and a tional government	are in all res	spects i	in proper co	ondition	Month L 9/ 1	0 <i>ay</i> 6/ ate
15. Special Handling Instructions and Additional Information  To be reclaimed.  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nate Printed/Typed Name Frank W. Fissig  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name Sign  18. Transporter 2 Acknowledgement or Receipt of Materials	and labeled, and a tional government nature	are in all res	spects i	in proper co	ondition	Month L Month L 9/1 Month L	ate Day
15. Special Handling Instructions and Additional Information  To be reclaimed  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nate Printed/Typed Name  Frank W. Fasig  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Sign  18. Transporter 2 Acknowledgement or Receipt of Materials	and labeled, and a tional government	are in all res	spects i	in proper co	ondition	Month L	ate Day
15. Special Handling Instructions and Additional Information  To be reclaimed.  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Sign  19. Transporter 2 Acknowledgement or Receipt of Materials  Printed/Typed Name  Sign  19. Discrepancy indication Space	and labeled, and a tional government nature	are in all res	spects i	in proper co	ondition	Month L Month L 9/1 Month L	ate Day
15. Special Handling Instructions and Additional Information  To be reclaimed.  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement or Receipt of Materials  Printed/Typed Name  Sign  19. Discrepancy indication Space	and labeled, and attional government mature	are in all results in	spects ins, and	in proper co Illinois regu	onditions	Month L 9/11  Month L Month L Month L	ate Day
15. Special Handling Instructions and Additional Information  To be reclaimed.  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name  Frank W. Essig  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Sign  19. Discrepancy indication Space  20. Facility Owner or Operator: Certification of receipt of hazardous markets.	and labeled, and attional government mature	are in all results in	spects ins, and	in proper co Illinois regu	onditions	Month E 9/11  Month E	ate Day
15. Special Handling Instructions and Additional Information  To be reclaimed  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents above by proper shipping name and are classified, packed, marked, a for transport by highway according to applicable international and nat Printed/Typed Name  Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Sign  19. Discrepancy indication Space  20. Facility Owner or Operator: Certification of receipt of hazardous marked.	and labeled, and attional government mature	are in all results in	spects ins, and	in proper co Illinois regu	onditions	Month E 9/11  Month E	ate Day ate

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

£532-0610

... UPC 62 8/81

ise print or type. (Form designed for use on elite (12-prich) typewriter.) EPA Form 8700			Approved OMB N	lo2000-040	4. Expres 7-	31-86
	Manifest Document No. 0: 0: 0: 4	2. Page or 1	1	on in the sharp by Federal laviaw.		
3. Generator's Name and Mailing Address Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515		B.Illinois		343		
4. Generator's Phone ( 312 ) 964-2330		Gene	rator's 0 4			
5. Transporter 1 Company Name H. Roskin Motor Service ILD 0 4 5 6 9 5	7 1 5		Tranporter's I			
7. Transporter 2 Company Name 8. US EPA ID Numi	ber	Ellinois	Transporter's	ID.	ประกา	
Designated Facility Name and Site Address     10. US EPA ID Num	ber	Gillinois	) इंडिड्रोडिंग्स्टर्स्ट इ.स्टिंग्स्टर्स्टर्			ne 
American Chemical Service			ys Phone	8.0.89	9.0.0.0	<u>) [2</u>
Griffith, IN 46319 IND 0 1 6 3 6 0	2 6 5	1	964-233	0		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number	er)   12.Cont   No.	ainers   Type	13. Total Quantity	I limit !	L Waste No.	
a	3	1,720	1 6 5	, E	PA HW Numb	
X Perchlorethylene ORM-A UN 1897	2	DM	EXIXE	1 . —	horization Nun	
b. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				3	PA HW Numb	
			: 	1 1	horization Nun	
C. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-375	PA HW Numb	4
(1) 在1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		.	<u> </u>	149	thorization Num	<u> </u>
d				7	PA HW Numb	4
The second section is another than the property of the second second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the se	34 33 5	. ,			thortzation Nur	
J. Additional Descriptions for Materials Listed Above		K Han	ding Codes for	Wastes Li	sted Above	
		0.5	<b>1</b>			
The lighted and the state of th	ry voirs	i i i	xx garage	¥12.72		
15. Special Handling Instructions and Additional Information		19700	n and the same	A STATE OF THE	Sec. 4 Property	c t
To be reclaimed	Marina Migr		ा हा स्टब्स्टर	jane <del>s</del> i n	#11 , 17 <b>-</b> €	
े स्ट्रीया करते रहर एक वस्तर हेर्ड के ए एस स्ट्राइड के	7.7 7.7					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consign above by proper shipping name and are classified, packed, marked, and labeled, an	ment are full	y and aci	curately describ	ed .		
for transport by highway according to applicable international and national government	ental regulation	ops, and	Illinois regulation	ns.	Date	
Printed/Typed Name symbols on regarding above and Signature years.		10		Mo	onth Day	Ye
17. Transporter: 1. Acknowledgement of Receipt of Materials (1987)	/\db	<u> </u>	7	<b>-</b> +	Date	12
Printed/Typed Name Signature  Signature	1.0%	ا د کا د	-	Mo	onth Day	Υe
18. Transporter 2 Acknowledgement or Receipt of Materials	<u> </u>	- <del>[]!\\</del> ,	<del></del>	-	Date	1
Printed/Typed Name Signature				Mo	onth Day	Ye
19. Discrepancy Indication Space	••	-				<u>.</u>
Service And Control						
20. Facility Owner or Operator. Certification of receipt of hazardous materials covers tem 19.	ed by this m	ianifest e	except as note	d in	Date	_
Printed/Typed Name Signature  Difful Newry	Thomas	γ		M	onth Day	· Y. /[:
OIS: 217 / 782-3637 '24 HOUR EMERGENCY AND SPILL ASSISTANCE	NUMBERS	OUTSID	E ILLINOIS: BOO /	424-8802	or 202 / 420	5-21
BUTION: PART - 1 CENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORT	TER PA	RT - 5 IEP	A PART - 6 G	ENERATOR		_

-L532-0610

1/3/	\	FORM HAZARDO VASTE MANIFEST tor's Name and Mailing Add	ILT	1800198	79	Manifest Document No.		re	quired by Ultinois i		law, but	
			2325	Wiscons:	tries, In in Avenue e, Il. 60	!	Billing		<u>06</u> 0	<u> 36</u>	_₩,≠≯; •••4*	5.0
	Transp	orter 1 Company Name		6.	US EPA ID	lumber	CJilino	is Tranpo	rter's ID	) <del>1</del> 57	1	
		. Roskin Motor	Service	*** EIG	D04569571			2)261-				
11	ı ransp	orter 2 Company Name			US EPA ID N	willoer		s Transpo				
9. [	Design	ated Facility Name and Site	Address	10.	US EPA ID N	lumber "	Gillino		5532	3 2 2 2	<del>ز</del> کے .	-
		merican Chemical Eriffith, In 463		<b>p.</b> n	ID 0 1 6 3	6 0 2 65	HLFacil	lity's Phon	18 🍕	00	70	0
11	. US D	OT Description (Including	Proper Shipping	Name, Hazard	Class, and ID No	imber) 12.Cor	ntainers Type	13. Tota Quánt	si l	14. 3 Unit	Was	L ste
E a.				1007						. [	EPAH	٧.
N .	X	Perchlorethylene	A-PRO E	M 1891 -	· · · · · · · · · · · · · · · · · · ·	3	IM	13	3	1	Authoriza	
R b.									• ***		EPA H	4.5
A .								, ,	.		Authoriza	
<b>o</b> c.				· · · · · · · · · · · · · · · · · · ·					-	-	- EPA H	W.N
R					,					1 12	Abthoriza	
d	<del>                                     </del>		***	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	- <del>  · ·</del>	+				EPA H	
	-	4						3			Authoriz	_
15	5. Spec	ial Handling Instructions an		mation		PILAT						
		reclaimed		Mul	ju ju		11					
16		IERATOR'S CERTIFICATI e by proper shipping name ransport by highway accord										Da
		ed/Typed Name	· · · · · · · · · · · · · · · · · · ·		Signature			• ,			Month	D
		Resig	ant of Receipt of	Materiale	1	2 C	<u></u>	7			2	Da
ANS		ed/Typed Name	ant of Freceips of	THE PROPERTY OF THE PROPERTY O	Signature	Wal	0				Month:	
0 18		sporter 2 Acknowledgeme	nt or Receipt of I	Materials								Da
T E	. Print	ed/Typed Name		· .	Signature						Month	
F A C	9. Disc	repancy Indication Space			•				•		٠.	
1 2		lity Owner or Operator: C n 19.	ertification of re-	ceipt of hazard	dous materials co	vered by this	manifest	except a	s noted	in		-:- D:
	Pri	rited/Typed Name	Chack		Signature	Put		•			Month	_
		- FANS	PIPOLITY 1				<u> </u>				$\sim$	<u>ئىم</u>
L_L :210 <u>NL</u>	: <u>2</u> 17 /	782-3637		H EMERGENCY	AND SPILL ASSIST	ANCE NUMBERS	OUTSI	DE ILLINOIS	S: 800 /	424-880	2 or 20	2/

## STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY. DIVISION OF LAND POLLUTION CONTROL

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-676 1

L532-0610 LPC 62 8/81

L		WASTE MANIFEST	1. Generator's U ILD0050	084124	T 00000 To	2. Page of	required by Illinoi	
	7 2 D	ntor's Name and Mailing Address ricon Industries, 325 Wisconsin Aven owners Grove, IL 6 ntor's Phone (* 312) 964	Inc. nue 0515 -2330		-	B.Illinois Gener	TIAN	0305017
	Transp	orter 1 Company Name . Roskin Motor Ser	6	ILD 045695		C.Minois	Tranporter's	1 4 0 0 36 Transporter's Phon
7.	Transp	orter 2 Company Name	8	. US EPA ID N	Number	Ellinois F. (A)		s ID Transporter's Phon
9.	Am	ated Facility Name and Site Address Perican Chemical Se Effith, IN 46319	•	IO. US EPA ID N	Number		ys <b>918</b> ( ys Phone	0890002
_	1 110 0	OT Description (Colored	Maria Maria Ma	IND 016360		312	1768-340	0
_	HM	OT Description (Including Proper S	nipping Name, Ha	azare Class, and ID NO	No.	Type	Total Quantity	Unit Waste No.
a.	X	Perchlorethylene	ORM-A U	JN 1897	3	DM	165	Authorization Num
b.		e e e e e e e e e e e e e e e e e e e		\(\frac{1}{2}\)				- Authorization Num
C.			•					Authorization Num
								EPA HW Number
は、大大学者		onal Descriptions for Materials Listed	Above			K. Hanc	lling Codes fo	Authorization Num
上大學演出公司學	Additio	onal Descriptions for Materials Listed				K. Hanc	lling Codes to	Authorization Nur
上,尤其其形式有文	Addition					K. Hanc	ding Codes for	Authorization Nur
上,然后来的"别"。1	Additional	cial Handling Instructions and Addition	nal information reby declare that to classified, packe	id, marked, and labeled	t, and are in all r	ly and accesspects is	curately descri	w. Wastes Listed Above
上,然后来的"别"。1	Additional State of the Additi	be reclaimed  NERATOR'S CERTIFICATION: I here we by proper shipping name and are	nal information reby declare that to classified, packe	id, marked, and labeled	t, and are in all r	ly and accesspects is	curately descri	Authorization Num
上,於海域的高速之 1	5. Spec for b	De reclaimed  NERATOR'S CERTIFICATION: I here we by proper shipping name and are transport by highway according to a med/Typed Name cank Essig  sporter 1 Acknowledgement of Re med/Typed Name Led/Typed Name	reby declare that to classified, packet policable internation	ed, marked, and labeled onal and national government. Signature	t, and are in all r	ly and accesspects is	curately descri	ibed iition.  Date  Month Day  Month Day  S 2 2
上が過去地で表す。1	Additional	be reclaimed  NERATOR'S CERTIFICATION: I here we by proper shipping name and are transport by highway according to a med/Typed Name rank Essig  sporter 1 Acknowledgement of Re	reby declare that to classified, packet policable internation	ed, marked, and labeled onal and national government. Signature	t, and are in all r	ly and accesspects is	curately descri	ibed lition ions.  Date  Month Day  Date  Month Day
上がではいる。 TRANSPORTER FA	Addition  5. Specific to the s	De reclaimed  NERATOR'S CERTIFICATION: I here we by proper shipping name and are transport by highway according to a ted/Typed Name ted/Typed Name sporter 1 Acknowledgement of Re ted/Typed Name LED/Typed Name LED/Typ	reby declare that to classified, packet policable internation	sid, marked, and labeled fonal and national government Signature	t, and are in all r	ly and accesspects is	curately descri	ibed ition.  Date  Month Day  S 2 2  Date  Month Day  Date  Month Day  Date  Date
上が過期の記載で 1 1 TRANSPORTER FACIL	Addition  To  S. Specific To  Above for interpretation  Printer  Transport  T	be reclaimed  NERATOR'S CERTIFICATION: I here we by proper shipping name and are transport by highway according to a ted/Typed Name ted/Typed Name LUCK MAC M sporter 2 Acknowledgement of Re ted/Typed Name LUCK MAC M sporter 2 Acknowledgement or Rec ted/Typed Name	reby declare that to classified, packet policable internation ceipt of Materials	Signature  Signature  Signature	t, and are in all remmental regulat	ly and accesspects is ons, and	curately descriptoring proper conditions regulations.	ibed dition ions.  Date  Month Day  S 2 2  Date  Month Day  S 2 2  Date  Month Day

Seed in item 11. Thusse do not have to be completed on the State of Minors Uniform Manyacted es met

1	- uz ove :	
CT111000	5 5 4 1. S	
ed CMB	No. 2000-0404	Expires 7-11

)	Gener	VASTE MANIFEST 20 IL D 0 0.5:0.8:4:1 2 4   0°0 ator's Name and Mailing Address	917. 7.10 r	A. Illin	by Illinois Ois Manifest		nt Number s
		eget (fact 1): 0360 km Tricon Industries, Inc. Masson (fact 1996) 2325 Wisconsin Avenue	-104 15 (		<b>*1582</b>	129	
١, ر	w312	/964-2330 Deletion Downers Grove, IL 60515 MEDIS	цэке <b>с</b> р	B Illino			<b>安将</b> 联合
		orter 1 Company Name  6. US EPA ID Number	<u> </u>	D (D)	heart 0-4	<b>B</b> 0	0.50
		Roskin Motor Service LILD 0 4 5 6 9 5			ois Transport		
_		orter 2 Company Name  8. US EPA ID Number		D.(31	2)=261-7:	36 ≑∏	ansporter's F
		อังเวลา และ เลือน และเล่า และเล่า และสมาชิต <mark>( ว. สคาษก</mark> ลาม รับสาย	<del>-</del> ·	F 1990	is Transporte	CS IDE	Constitution of
		lated Facility Name and Site Address 10. US EPA ID Number		G.Illin	is Say t	er mari i	anaporter 5 F
-		rican Chemical Service		∵Faci ≺ID≺	lity's ?	RO	44 TO A A A
		ffith, IN 46319	a a · =	H.Faci	lity's Phone	12 m	
		IND 0 1 6 3 6 0		(-31	2 768-34	100	
11		OT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Cont	, ,	_13. Total	14. Unit	李德德
a.	нм		No.	Туре	Quantity	W₺VơI	Waste N
۵.	X	Perchlorethylene ORM-A UN 1897	2	DM	1:1 (	1	F 0 (
b.	-2:	Sengeliës in Horis				-	EPA HW Nur
	[.0	grand Artistantia	ŀ				.Authorization.N
c.					<u> </u>	-	EPA HW Nu
							2 4 1
		्राच्या संस्थानस्य विकास स्थापना विकास स्थापना विकास स्थापना विकास स्थापना स्थापना स्थापना स्थापना स्थापना स्थ स्थापना स्थापना स्थापन		.	1 1 1 1		Authorization N
d.					<del></del>	<del>†</del>	CEPAHW NU
-	4	ក្រុមមិនទ្រាប់ការស្នាត់ អនុមាន ៤០ នាក្យាច ក្នុងផ្ទុំ កែមាត្រ សុទ្ធ នៃ នៅការ	1	1,5	366544 m	177.	Authorization N
						1	<b>经验证</b>
Ų	Adaino	nal Descriptions for Materials Listed Above.		Lain ite	dling Codes for	يوسي تناو	2 4 1 1 1 1 T
'n,	16.6			1.50	allons	<b>3</b> +2 =	Cubic Ya
ř		Perpendition and the surface of the		union.	a brabia)	OOK	TIP DOES
18	- 4		<b>V</b> #	100			
15	. Specia	THANDING Instructions and Additional Information	14701166	-	-		
1	To	pe Lecjalmed digit Special Whate Hauling (SWH) permit	11:150,76	· '94 5	Fr good theil	is en	्राचीलम्यासील
5		Nois transporters id number		•			
L		to the state of th					
116	prope	THATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are from ping name and are classified, packed, marked, and labeled, and are in all respec	ts in prope	curately r conditi	described above on for transport	e by · 1 by	
	highv	ray according to applicable international and national government regulations, and Illinois reg	ulations		Tt _ T; .'		1 -
1 - 2	3002(	1 am a small quantity generator who has been exempted by statute or regulation from to of the statute of regulation from the open statute of regulation from the open statute of reduce the volume and the small practicable and I have selected the method of treatment, storage, or disposal of the human health and the environment.	ne duty to	make a v ste gene	waste minimizat rated to the de	on certifi gree I ha	ication under S ave determined
1	threat,	to human health and the environment of options to obtain the control of the property of the pr	urrenuy ava	nable to	me which min	imizes th	e present and Date
3							Month Day
	Print	ed/Typed Name Signature	/ / -		•		
1	Print	NK ESSIGNATURE DOCTORES MANAGED Signature		<u> </u>			UNR1986
, ,	Prints Fra 7. Trans	nk Essigneed Consess May 1998 Fig. 1				· ·	081986 Date
,	Prints Fra 7. Trans	The Essigned at a comment manager - France	100 LOC		À		Date Month Day
,	Prints Fra 7. Trans	TRESTOR DECEMBER LINES OF THE STATE OF THE S		2	文	acies e	Date
11	Frans 7. Trans Priori	porter 2 Acknowledgement of Receipt of Materials			滅	Cols c	Date Month Day Date
1	Frans 7. Trans Priori	porter 1 Acknowledgement of Receipt of Materials  ed/Typed Name  porter 2 Acknowledgement of Receipt of Materials  Signature  Signature  Signature					Date Month Day
711	Prints Fra 7. Trans Print 8. Trans Print	porter 1 Acknowledgement of Receipt of Materials  ed/Typed Name  porter 2 Acknowledgement of Receipt of Materials  ed/Typed Name  Signature  Signature  Signature					Date Month Day Date
711	Prints Fra 7. Trans Print 8. Trans Print	porter 1 Acknowledgement of Receipt of Materials  ed/Typed Name  porter 2 Acknowledgement of Receipt of Materials  Signature  Signature  Signature					Date Month Day Date
111111111111111111111111111111111111111	Print Fra 7. Trans Print Print 9. Oiscre	porter 1 Acknowledgement of Receipt of Materials  ad/Typed Name  Signature  Add/Typed Name  Ad					Date Month Day Date
111111111111111111111111111111111111111	Prints Fra 7. Trans Print 8. Trans Print	porter 1 Acknowledgement of Receipt of Materials  ad/Typed Name  Signature  Add/Typed Name  Ad	er () ( <u>)</u>		<u>St. post igna in</u>		Date Month Day Date
11 11	Print Fra 7. Trans Print 8. Trans Print 9. Oiscre	porter 2 Acknowledgement of Receipt of Materials  porter 2 Acknowledgement of Receipt of Materials  ad/Typed Name  ad/Typed Na	er er ed.	Historia Tantori	Si quantigra e		Date Month Day Date

orint or type: 100 to Form designed for use on efficient	12-pitch) typewriter.)	EPA For	n 8700-22	(3-84)		orm Apor	ved. OM		000-0404 Expir	es 7-:
UNIFORM HAZARDOUS	1. Generator's US		Daci	anifest iment No 0: 0: 2	2. Pag of	re	formation quired by Illinois I	y Feder:	shaded area allaw, but is	s is requi
Generator's Name and Mailing Address	Tricon Indus 2325 Wiscons	tries, In	C	4.4 B	A. Illin				nt Number	
ു പൊപ്പു വാ പ്രദേശം അത്രം അവം വിഷം . Generator's Phone ( <b>312</b> പം) - <b>964-</b>	Downers Grov		15 <sub>203 T</sub>	_5_777 	74 - 247	ois : : : : : : : : : : : : : : : : : : :			3-0 5 0	
. Transporter 1 Company Name	6.		ID Numbe		C.Illin	ois Tran	sporte	s ID	<b>非证证实</b>	O.
Transporter 2 Company Name	8.	UŞ EPA	ID Numbe						ansporter's	
er vichlager dies habitaden mere der eig			: E SC!! ID Numbe	A CapA	F.(-6€)		1465	P.A.Tr	ansporter's	
Designated Facility Name and Site Address American Chemical Serv Griffith, IN 46319	rice	US EFA	io Mambe	1	Fac		9 1		8 9 0 0	0
en er gang p <mark>opulasi 1</mark> 30 <u>1</u> 30 me			T.		م	<u> </u>	37.3			
1. US DOT Description (Including Proper Sh	ipping Name, Hazard	Class, and ID N	umber)	12. Conti No.	Type	13 Tot Quar	al	14. Unit Wt√oi	<u> </u>	
X Perchlorethylene ORM-	-A UN 1987 🦠	. Ny syra 400r	\$4 T.	3	DM	·1	5 5	1	Authorization	Num
X 1,1,1 Trichloroethan	ORM-A UN 283	11		1	DM	1 1	5 5	1	F- 0	n Nun
2. 15 Sept. 200 (1977) - 100 (1977)							-		EPA HW	Numb
10 00 00 25 78 85 00 00 05 05	3 N N T S						4.4.	-	Authorization	· Tr
to a contract remain refers to	. ४ हम् हिस्सू सर्व	eur of mo		- : ·	Ç.	- 1231  - 1   1	an pa	200	Authorizatio	
J. Additional Descriptions for Materials Listed At	ove.		40.0	第三个 第三个	. Sin it	em #14	وسترين		Listed Abov	Ç~ ;
THE THE DESCRIPTION OF THE STATE OF THE STAT	not (con more	o lucione	R EBY	Velucio	357	2.74		1.7	Cubic Y µid ≳ice	arc
15. Special Handling Instructions and Additional	Information — 1-	east v		10-7 × **	- 40					
of the filleof 254 ton Girlf 30.		ilina (BWH)	j beliky	-មត្តបក្សម	r of a		i itirt	ranou		::32
on To be reclaimed was so				20			·			
16. GENERATOR'S CERTIFICATION: I hereby de propet shipping name and are classified. Par highway according to applicable international surface of the state of the	acked, marked, and late and national government has been exempted by a program in place to the method of treatn	beled, and are in intregulations, and statute or regula- reduce the volu- nent, storage, or	n all respect dillinois regi ation from time and test disposal co	ts in prope ulations. he duty to Dcity of wa	make a	waste mi	ransport nimization	by on certiforee I h	ave determin	ned t
Printed/Typed Name Frank Essig %531 00000%5	Mi yannaeh	Signature	The .	11:	75	11	,		Month Di	
17. Transporter 1 Acknowledgement of Receipt		· · · · · · ·	,,				$\searrow$			ate
Printed Typed Name	re generalars a	Signature	uni	7/	at			3913 (	Worth D	ay .
18. Transporter 2 Acknowledgement of Receipt Printed/Typed Name	of Materials ार स्वेन्धेस्तरक केंद्राच्या केंद्राच्या कर्मा	Signature	<del></del>	1.76 1.76 1.77 A. N	1			,		ate ay
်ညှနေးများသည်။ မြန်းကားသူ့မောက်ပွဲ နောင်မောက်ပွဲ				Del Erg 197			n ( 6)	•		1_1
19. Discrepancy Indication Space	SENALO	k inporan	AEO, C							
The second secon	receipt of hazardous	materials covere	d by hi m	anilest exp	as no	oted in ite	m 19.	*.		ale ·
Printed/ yped Nahe / /	STATE	Signature	41	ing	Ra				Annor A	448
OIS. 217 / 732-3637 #24 H	OUR EMERGENCY A	ND SPILL ASSI	STANCE N	UMBERS*	CUT	SIDE ILLI	NOIS: 6	300 / 42	4-8602 or 20	2 / 42

IOM SET UNTIL COMPLETED.

The did not Adjacent Feture to provide the information may result in a cital penalty significant for cines red to the Adjacent Feture to the System This form has been approved by the Frams Manufertern T63

3-120 E T63

1-14 E 763

Division of Land Pollution Control - Manifest

DO NOT WRITE IN THIS SPACE

Indiana State Board of Health P.O. Box 7035 Indianapolis, IN 46207-7035 Please print or type. .... (Form designed for use on effe (12-pitch) typewriter) Form Approved OMB No. 2000 0404 Expires 7 31 86 1 Generator's US EPA ID No. Manifest UNIFORM HAZARDOUS Information in the shaded areas WASTE MANIFEST I | L | D | 0 | 0 | 5 | 0 | 8 | 4 | 1 | 2 | 4 | 0 | 0 | 0 | 0 | 8 3. Generator's Name Tricon Industries, Inc. 2325 Hisconsin Avenue Downers Grove, IL 60515 312 964-2330 H. Roskin Motor Service |I,L|D|0|4|5|6|9|5|7|1|5 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address
American Chemical Service 9180890002 Griffith, IN 46319 H. Facili 312/768-3400 I,N,D,0,1,6,3,6,0,2,6,5 13. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit Waste No. Quantity Type Wt/Vol Perchlorethylene ORM-A UN1897 F001 1,6,5 G GENERAL CONTRACTOR STATES OF A CONTRACTOR OF 15. Special Handling Instructions and Additional Information To be reclaimed 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Unless ( am a small quantity generator who has been exempted by statute or regulation from the duty to make a Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume a economically practicable and I have selected the method of treatment, storage, or disposal porrently available to me which minimizes the present and future threat to human health and the environment. Ē Printed/Typed Name Day Frank Essig Ö 17 Transporter 1 Acknowledgement of Receipt of Materials Date တ 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name : Signature 19 Discrepancy Indication Space 20 Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted Item

EPA Form 8700-22A (Rev. 11-85)

T.S.D. DETACH AND RETAIN THIS COPY

Division of Land Pollution Control - Manifest -Indiana State Board of Health

DO NOT WRITE IN THIS SPACE

P.O. Box 7035

Indianapolis, IN 46207-7035

	The state of the s
ase print or type.	(Form designed for use on elite (12-pitch) typewriter)

\*Form Approved OMB No. 2000 0404 Expires 7 31 86

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  12. Containers  Total  No. Type Quantity  WASTE Planting Ble Liquid #50.5. UN1993  D. WASTE COMBUSTINE LIQUID N.O.S.  NAME OF THE COMBUSTINE LIQUID N.O.S.  NAME OF THE COMBUSTINE LIQUID N.O.S.	14/764-70 002 -3400 -3400 -3400 -3400
9. Designated Facility Name and Site Address 10. US EPAID Number  American Chemical Service  Fith, IN 46319  I N D D 1 6 3 6 0 2 6 5  11. US DOT Description (Including Proper Shipping Nama, Hazard Class, and ID Number)  12. Containers  Total  No. Type  Quantity  Maste Facility Name and Site Address  13. Total  Output No. Type  D WASTE Combustible Liquid No.S. UN1993  D WASTE Combustible Liquid No.S.  NA 1993  D WASTE Liquid No.S.  NA 1993  D M D D B 7  C COMBUSTIBLE LIQUID NO.S.  K Handling Codes for Wastes Listed Above  B C State Facility's ID  S STATE Facility Facility ID  S S STATE Facility Facility ID  S S STATE Facility Facility ID  S S STATE Facility ID  S S STATE Facility ID  S S STATE Facility ID  S S S S S S S S S S S S S S S S S S S	002 -3400 -3400 Unit Waste No. VIVVol Sate No.
9. Designated Facility Name and Site Address  American Chemical Service  Fith, IN 46319  IND0163500265  H. Facility's Phone  11. US DOT Description (Including Proper Shipping Name, Hexard Class, and ID Number)  No. Type  Ountity  WASTE Combustible Liquid N.O.S. UN1993  D. WASTE Combustible Liquid N.O.S.  Combustible Liquid N.O.S.  NA 1993 OIOID D.M. DIO D.S.  Combustible Liquid N.O.S.  Additional Descriptions for Materials Listed Above  A. Manditing Codes for Wastes List.  J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes List.	002 4111 -3400 4111 Unit Waste No. VIVVol 8001
Fith, IN 46319  INDO 16360 265  H. Facility's Proper Shipping Name, Hazard Class, and ID Number)  12. Containers  13. Total Quantity  No. Type  No	Unit Waste No VIVOI See See See See See See See See See Se
INDUSTRICT OF MATERIAL LISTED ADOVE  J. Additional Descriptions for Materials Listed Above  J. Additional Descriptions fo	6 800X
Total Quantity W  Maste Present Plant Mo.S. UN1993 22 M DO 7  PRACTORULE LIQUID N.O.S.  (COM bijstible Liquid No.S. UN1993 DOD DM DIDDBT)  d.  J. Additional Descriptions for Materials Listed Above  b. — SUPER Agitere	6 800X
Laste Parable Liquid H.Q.S. UNIGOS  D. WASTE COMBUSTINE LIQUID N.O.S.  (COMBUSTINE LIQUID) NAIGOS DIOD DM DIODBIT  C.  J. Additional Descriptions for Materials Listed Above  D. WASTER CAMBUSTINE LIQUID  R. Handling Codes for Wastes Listed  D. WASTER CAMBUSTINE LIQUID  R. Handling Codes for Wastes Listed  D. WASTER CAMBUSTINE LIQUID  D. WASTER CAMBUSTINE  D. WASTER CAMBUST	6 800X
Maste Paramete Liquid to S. Unigos  D. Waste Combustible Liquid N.O.S.  (Combustible Liquid NAI993 DIOD DM DIODBIT)  d.  J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes Listed  L. SUPER AgiteHe	<b>a</b>
D. WASTE COMBUSTINE LIQUID N.O.S.  (COMBUSTINE LIQUID) NAIG93 DIOD DM DIODBT  d.  J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes Listed  L. SUPER Agitere	<b>a</b>
Combostible Linia NA1993 DIOD DM DIODBT (  d.  J. Additional Descriptions for Materials Listed Above  E. Handling Codes for Wastes Listed  E. SUPER Agitere	
D. WASTE COMBUSTINE LIQUID N.O.S.  (COMBUSTINE LIQUID) NAIG93 DIOD DM DIODBT  d.  J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes Listed  L. SUPER AgiteHe	
COMBOSTIBLE COLID NAIG93 DIOD DM DIOD87 (  d. J. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed b. — SUPER Agitere	
d.  J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes List  L. SUPER Agitere	
J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes List  L. SUPER AGITERE	ed Above
J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes List  L. SUPER AGITERE	ed Above
J. Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes List  L. SUPER AGITERE	ed Above
b SUPER AgiteHe	ed Above
b SUPER AgiteHe	ed Above
b SUPER AgiteHe	ed Above
15. Special Handling Instructions and Additional Information	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper st classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable inters government regulations.  Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization.	national and national
Section 3002(b) of RCRA, I also cartify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I he economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the prese human health and the environment.	ave determined to be
Printed/Typed Name Signature	Month Day Ye
Frank Essig  17. Transporter 1 Acknowledgement of Receipt of Materials	/   /   ク  ()   /   Date
Signature	
BOUCE BENOIL	MODEN P
18. Transporter 2 Acknowledgement of Receips of Materials	Date
Printed/Typed Name  E   R	Month Day Y
19. Discrepancy Indication Space  A C C 1	
1 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted from 19.	·····

T.S.D. DETACH AND RETAIN THIS COPY

DO NOT WRITE IN THIS SPACE

Division of Land Pollution Control - Manifest Indiana State Board of Health P.O. Box 7035

WASTE MANIFEST	D D D D D B A 1 2	4 0 0 1	0 O	1 : is no	ot required by	
2325	on Industries, Inc Wisconsin Avenue ers Grove, IL 6051		IN B.	State Manifest D 1 089 { State Generator 4 3 0 3	373 ••••	EVETURE:
5. Transporter 1 Company Name  H. Roskin Motor Service 7. Transporter 2 Company Name	8. US EPA ID Number	6957	1 5 D	State Transporte Transporter's Ph State Transporte	on•312/	2 <b>61-723</b> 6
American Chemical Service Griffith, IN 46319	10. US EPA ID NUMBE	3602	6 5 H	ransporter's Ph State Facility's I 1 8 0 8 Facility's Phone 312/76	900	0.2
11. US DOT Description (Including Proper Shipping Na	me. Hazard Class, and ID Number)	12. Contains	· · · · · · · · · · · · · · · · · · ·	.13. Total Total Quantity	Unit Wt/Vol	Waste No.
Perchlorethylene ORM-J	N UN 1897	3 0	i M	1 6 5	1	F001
1,1,1 Trichloroethane	ORM-A UN 2831	1 1 8	) M (	     5  5	1	F001
c.			1			
d						
J. Additional Descriptions for Materials Listed Above	istion	×	Handling Co	odes for Wastes	Listed Above	
	that the contents of this considerate	- Filling and a second				
To be reclained  18. GENERATOR'S CERTIFICATION: Thereby declare classified, packed, marked, and labeled, and are in government regulations.  Unless 1 am a small quantity generator who has Section 5002(b) of RCRA, I also certify that I have economically practicable and I have selected the me	n all respects in proper condition for i been exempted by statute or regul a program in place to reduce the volur	ransport by highw ation from the du ne and toxicity of	ty to make a waste general	: waste minimiz led to the degree	ation certifica h I have deter	ition under mined to be
18. GENERATOR'S CERTIFICATION: Thereby declare classified, packed, marked, and tabeled, and are in government regulations.  Unless 1 am a small quantity generator who has Section 5002(b) of RCRA, I also certify that I have economically practicable and I have selected the mehuman health and the environment.  Printed/Typed Name  Frank ESSIG	h all respects in proper condition for it been exempted by statute or regul a program in place to reduce the volunthod of treatment, storage, or disposal  Signature	ransport by highw ation from the du ne and toxicity of	ty to make a waste general	: waste minimiz led to the degree	ation certifica h I have deter	ition under mined to be
16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked, and labeled, and are in government regulations.  Unless I am a small quantity generator who has Section 5002(b) of RCRA. I also certify that I have economically practicable and I have selected the me human health and the environment.  Printed/Typed Name  Frank ESSIG  17. Transporter I Acknowledgement of Receipt of Mate	n all respects in proper condition for it been exempted by statute or regul a program in place to reduce the volunthod of treatment, storage, or disposal Signature  Signature  Signature	ransport by highw ation from the du ne and toxicity of	ty to make a waste general	: waste minimiz led to the degree	ation certifica 1 have determined functions	Day Yea
16. GENERATOR'S CERTIFICATION: I hereby declare classified, packed, marked, and labeled, and are in government regulations.  Unless I am a small quantity generator who has Section 5002(b) of RCRA, I also certify that I have reconomically practicable and I have selected the me human health and the environment.  Printed/Typed Name  Frank ESSIG  17. Transporter 1 Acknowledgement of Receipt of Mate	n all respects in proper condition for it been exempted by statute or regul a program in place to reduce the volunthod of treatment, storage, or disposal Signature  Signature  Signature	ransport by highw ation from the du ne and toxicity of	ty to make a waste general	: waste minimiz led to the degree	ation certifica	Date

EPA FOUTH 8700-22A (Rev. 11-85)
1- 2047 -7-50 9/11/27 (1.1.178.D. DETACH AND RETAIN THIS COPY 3a - 187. 7-63 "Iol21 Harry Francisco Control of Contro

Division of Land Pollution Control - Manifest Indiana State Board of Health

Printed/Typed Name DICLU EPA Form 8700-22A (Rev. 11-85) DO NOT WRITE IN THIS SPACE

P.O. Box 7035 Indianapolis, IN 46207-7035 \*Form Approved OMB No. 2000 0404 Expires 7 31 86 Please print or type. / (Form designed for use on elite (12-pitch) typewriter) 1. Generator's US EPA ID No. UNIFORM HAZARDOUS 2. Page 1 of information in the shaded areas Document No. is not required by Federal law WASTE MANIFEST ILD1800119879 3. Generator's Name Tricon Industries 2325 Wisconsin Downers Grove II 60515 4. Generator's Phone ( 312 ) 964 2330 4 5 6 7 7 7 8 9 9 9 9 C. State Transporter's ID -1400 6. US EPA ID Number 5. Transporter 1 Company Name H Roskin Motor Service | ILD 0 4 5 6 9 5 7 1 5 D. Transporter's Phone 318 261 7236 E. Slate Transporter's ID G State Facility and State Facil 9. Designated Facility Name and Site Address American Chemical Service Griffith In 46319 IND 016560562 312 768 3400 PAR 14. Unit 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Albertaile. Quantity ; WVVoi Per-chlor O R M-A UN 1897 DM 3 1 50 र प्राचीक रिति है । इसिन्हें 1001 引起张 =51.8 SF 0 d. J. Additional Descriptions for Materials Listed Abor K. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of freatment, storage, or disposal currently available to me which minimizes the present and future threat to Printed/Typed Name 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Day 14010. 1 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted flem

T.S.D. DETACH AND RETAIN THIS COPY

THE STATE OF THE S

MAIL 3-1180

	فيستنف بعناه يباذ	2 - E. J 2 - 3 - 4 - 4 - 4		
INDIANA DEPARTMENT OF EN	VIRONMENTAL, I	MANAGEMENT	ಚಾರ್ವದ ಗತ	Water (Dulk
OFFICE OF SOLID AND HAZAF	RDOUS WASTE M	LANAGEMENT		117
P.O. Box 7035		100		
Indianapolis, IN 46207-7035		T.		

	VIFORM HAZARDOUS 1. Generator's US WASTE MANIFEST 1.L.T.1.8		1.9.8.7.9			. Page 1:	informati not regi items U. State la	ion in the	e shade Federa d l are n	d areas is i law, but equired by
	Generator's Name and Mailing Address Tricon Inc	bestr	les, Inc.	چ د اات است. حاصف م	1	State Man				- <del>                                     </del>
	voneprome na lo toeve ni 2325. Nisc	ons in	Avenue : ins	odress horized ac	tt is	$VA^{\mathfrak{s}}$		֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	ו ל. ו	13) E≛ (2) E±
	eterwood the wester	LOAS .	.II. 60515	ว เอ <b>ด</b> ักยก .	OI A	State Gen		1	100,1101	E SME
4 : 1	Generator's Phone (12312 IFA) 964+2330 ment book	osa sitt	to reducin OF			04303	05017			活用的
	nation of the Continuancement viergeof to the Taylor Transporter of the Carling Them Cacifity see the Carling Them Cacifity see the Cacifity s			ach sdáitic		Tenegor)	TO DOWN		7.72	THE SE
	Transporter 2 Company Name		EPA ID Number	2.0.2.0		State Tran	as more	SIE!	MERADO	BIIUW.
11 8	(URVINA) for each waste as identified in 49 CFF	-ເຊ່ເມເກັນ	Glass and Na	การตุลส์ <sub>เ</sub> อ	_	Transporte		A CONTRACTOR		
9.	Designated Facility Name and Site Address	10. Us	e EPA ID Number	2001.70	G.	State Fac	By ( D			
mis.	American Chemical Services a relieiva	racs si	tangoroga est b	ana risry.	27	91808	90002	3	100	
	Griffith, IN 46319	<u>.</u>			15	Facility's [	CO. T. ST.			CHAPTER STATE
		I · N ·	<u>D·0·1·6·3·</u>	5 -0 -2 -6		(312)	1.7.7.7	400		
11.	US DOT Description (Including Proper Shipping Name, Hazard			_1	Туре	Tol	ani – nditý∷le∆	Unit Wt/Vol	34	10 No.
a.	Chicden bakes		0-13 m Cars		1700	2munb		-Will	No.	
	CF-Fiber or plastic boxes		T-Dump truck		21	salq\bาเ	ood led	:-3C	C.	
	Perchloroethylene ORM-A-Un 189	7	Y−Cylinders ———————	े 2	D-M	e da!	10	6		) E
b.			911	1	זכרונינ	क्षडां वर	יוץ טו עו	and i		
			w) tor tire unit o e ti – Units of M		n me.	COLEIV TO SELV	3 ADDIE I . •	nobic		
		<del></del>	<del></del>		-		<u> </u>		5	
r	(liquids only) () as (liquids only) ()			inds ograms	거든	-		5 5		
	2.000 lb[]			pio void	1 10	1 7 7		, ÷		
d.	10115 (1,000 Kg.)	= Metric	M	orc mete s	.) =		المعارفة	164	Jan 19	
CW	tement if a mode other than highway is used, the	tion stat	te the certifical	thons (bo	ज रुव	d, sign	iei izun	101		
·*-	air) inserted in the space below.	ter, or a	mode (rail: wal	n remnne	art the	1 202	c • h = .1	***	45	
					4 1/ 444				4 11	
			e de la la la companya de la company	4. 15.23	Kita	ding Code			Above	
				10.00		ding Code			Above	
		1,5-2				ding Code			Above	
	Special Handling Instructions and Additional Information			code.	waste	ate EPA	heorea		Above	n= 1112
	Special Handling Instructions and Additional Information	with	Stin or e	yes Do	waste	ate EPA	hqorqq h va	mos (a	Above edi 15	e Wa
	Special Handling Instructions and Additional Information  NUMBE PROBLEMINES. Avoid contact	with or	To alk	yes . De	waste	ate EFA	LA Ya	1075.	NELL	30
15. \$	notismont lenotibbe one enotionant gritiched leipege state of the contract of	ont of	nd mail Copy 2	Copy 6 a	waste LUJV Retain	serd serd STATE:	A YA	0 501	NELL	30
15. 5	notisemental lenoitibble bas encitarism grifforest labored.  Senerator State (if applicable) and mail Copy 4  Cenerator State (if applicable) and mail Copy 4  co et left enable yeared in OFFA, TITLED & ROTERELEGED.	ont of the (	nd mail Copy 2 themmalenco-eight	Ceny-6 ai	waste COLY COLY Retain	ale EPA SPATE: STATE: Does year	HAIS HO TU	0 501 0 501 0 501	NETA NERA	3a 3 1
15.	Special Handling Instructions and Additional Information  **Avoid Contact  Avoid Contact  Avoid Contact  Avoid Contact  Avoid Contact  Capped The Contact  Avoid Contact  A	ent of intents of and labels ant regula	the copy 2 and the same and the	Copy-6 al Copy-6 al copy-6 al copy are copy are a copy are a copy are a copy are a copy are a	Waste COV COV Retain Retain Cov Cov Cov Cov Cov Cov Cov Cov Cov Cov	ale EPA send STATE: STATE: or not not the TERS (	Ode bed	O ROT O ROT V By	NETA	aE GE RHCTK
15. 3	Special Handling Instructions and Additional Information  **PAYOR** **No. **No. **Land	entents of indicate in the ind	nd maß Copy-2 frammglenco-efti er lie ni ere bne "be frind Cockry "enoble n eldesbrare eft b memoritere eft b	Copy 6 and one yield one yield one yield one yield one on the or produce on the original of the original is an original in the original is an original in the original is an original in the original is an original is	waste Your Pelain Relain woo bear woo bank woo bank waste	STATE: TERS /	Hode about an appropriate grant gran	O FOT We by ART O erated to tall currents	NERA NERA New Year On's Ti	TRUCTO
15. 3	Special Handling Instructions and Additional Information  Avoid contact  Avoid contact  Avoid contact  Avoid contact  Benerator State (if applicable is discount of the state	entions of indicates of indicat	nd mail Copy 2 themplence eith I the ni ere bne be tink Closty anobe the closty anobe the despisare of each themplence eith themplence eith themplence eith themplence eith themplence eith themplence eith themplence	Yes. De John D	Paragraphics of the state of th	AGE BATTE TO THE METERS TO THE	the variable about the state of	ve by I by high ART Corrected to sel current, flavor afford.	NERA Vera Vera Vera Vera Vera Vera Vera Vera	GE GE TRUCTIO www.1 sargi wm oi sideil blat boog a
15. 3	Special Handling Instructions and Additional Information  **TAMPS** **PASSANTIAGES**. Avoid_contact**  Avoid	entions of indicates of indicat	nd maß Copy 2  In managianos aid i  In a la en bna ba  In Cocky anothe  In addaption of soale  In addaption of the  In addaption of the	yas one of the control of the course of the	Paragraphics of the state of th	STATE: TERS /	the variable about the state of	ve by I by high ART Corrected to sel current, flavor afford.	NETA  Very  very  othe de  othe de  othe de	GE GE TRUCTIO www.1 sargi wm oi sideil blat boog a
15. 15. 16. 1	Special Handling Instructions and Additional Information  Avoid contact  Avoid contact  Senerator State (icapplicable) and maintenance  GENERATOR'S CERTIFICATION: I hereby declare that the co proper of the property of the	entions of indicates of indicat	nd maß Copy 2 menneglenco-eith ar le ni ere bne be min Good and menden of each and and and menden mencen stance stance mencen mencen stance stance stance stance stance stance stance stance	Service of the control of the contro	state was a state of the state	DITES OF THE PROPERTY OF THE P	in yanga ang ang ang ang ang ang ang ang ang	O SOT	MOTON TO MANUAL	Date Date
15. 15. 16. 1	Special Handling Instructions and Additional Information  **TAMPS** **PORTITION** AND IDEA OF A CONTROL  A YOUR JIEM DIE (SIGEDIICAET)) 9 fat? Total 9 new Control  GENERATOR'S CERTIFICATION: I hereby declare that the coproper shipping namer and are classified, decked, marked, a according to applicable international and national government of the control of the con	entions of indicate of the country o	nd maß Copy 2 menneglenco-eith ar le ni ere bne be min Good and menden of each and and and menden mencen stance stance mencen mencen stance stance stance stance stance stance stance stance	Service of the control of the contro	state was a state of the state	DITES OF THE PROPERTY OF THE P	The deposition of the depositi	O SOT	ACTEMANDER OF THE PROPERTY OF	OFFICE I have a good talti
15. S	Special Handling Instructions and Additional Information  **TAMPS** **PORTURE AND INC.**  A YOU'S CONTROL OF SIGNATURE AND INC.**  A YOU'S CONTROL OF SIGNATURE AND INC.**  A YOU'S CONTROL OF SIGNATURE AND INC.**  GENERATOR'S CERTIFICATION: Inereopy declare that the coproper shipping name and are classified, docked, marked, a according to applicable international and national government of a second of the	entlors of antibotic of the control	tremmigleore and tremmi	Service of the control of the contro	state was a state of the state	DITES OF THE PROPERTY OF THE P	The deposition of the depositi	O SOT	ACTEMANDER OF THE PROPERTY OF	Date Date
15. S. C.	Special Handling Instructions and Additional Information  **NAME** **NAME NAME OF THE PROPERTY	entlors of antibotic of the control	treample copy 2 treample copy	Service of the control of the contro	state was a state of the state	DITES OF THE PROPERTY OF THE P	The deposition of the depositi	O SOT	ACTEMANDER OF THE PROPERTY OF	OFFICE I have a good talti
15. S 16. (17. )	Special Handling Instructions and Additional Information  THIMSE MODINITIONS (SIGED![Cap]) SIGE CONTROL  A YGOD (IEM.DIS (SIGED![Cap])) SIGE CONTROL  GENERATOR'S CERTIF-CATION: I hereby disclare that the coproper shipping namerismd are classified, packed, marked, a according to applicable international and national government in an alarge, quantity generator, I certify that I have a preferred to be accordingly practicable and that I have a preferred to the accordinate the present and future threat to human the effort to minimize my waste generation and select the best printed/Typed Name  Cui Len Kline  Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  90500 1144 19900 144 19900 10 Materials	entions of our or	direction of the control of the cont	yes ne di se	Maste Waste Park Park Park Park Park Park Park Park	AGE of the second secon	The debot sample of the de	O SOI	MERA MERA Mera Mera Mera Mera Mera Mera Mera Mera	OTTOURT OTTOURT Description of the control of the c
15. 15. 16 17. A. E. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18	Special Handling Instructions and Additional Information  THAMS MODINATIONS. Avoid Contact  A ygoD (Ism.Drs (sidsbillggs))) of store that the co- proper shipping name and are classified, packed, marked, a according to applicable international and national governme  It I am a large, quantity generator, I certify that I have a p othermined to be accommically practicable and that I have which minimizes the present and future threat to human in effort to minimize my waske generation and select the best  Printed Typed Name  Cuilen Kline  Transporter 1 Acknowledgement of Receipt of Materials  Printed Typed Name  BOSCO OF 140 STORES  Printed Typed Name  Receipt of Materials	entropy of the control of the contro	Copy Copy 2  In a consignment of the consignment of the consignment of the practicable in the practicable in the conviction of the convict	yes. De so ne de se como de co	steaw Violation and the state of the state o	AGB etc.  brea.  history  tely describition for  Calling and the storage, quantity me and the storage  cut for	th yar and a second and a secon	O SOI	ARBIA ARBIA T 2010 o the dentity even made	Onto Deta (100 Per p
15. S	Special Handling Instructions and Additional Information  **TAMPS*** **MANAMENTAL **AVOID CONTROL  A YGOD Item. Dris (sidsblicgs ji) sfall not and an according to applicable international and national governmental of a control of the second	entropy of the control of the contro	nd arail Copy 2 themaglence and the processor of the proc	yes one of see a wine of the volume settled of the column settled settle	stasty Pour and the state of th	ACID of the property of the pr	The state of the s	O SOIT	ATIENA MINERA MI	OFFICE OFFI
15. S	Special Handling Instructions and Additional Information  THAMS MANIMISTS. Avoid contact  A you liam bits (sidebilicasi) elast notational  A you liam bits (sidebilicasi) elast notational  GENERATOR'S CERTIFICATION: Inereby declare that the co proper shipping name/and are classified, decked, marked, a according to applicable international and national government  I am a large quartity generator, I certify, that I have a p determined to be accommicably practicable and that I have a which minimizes the present and future threat to human h effort to minimize my wasta generation and select the best  Printed/Typed Name  Culled Xiins  Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Contract of the printed of the	entropy of the control of the contro	nd arail Copy 2 themaglence and the processor of the proc	yas one of second of the secon	Page 19 19 19 19 19 19 19 19 19 19 19 19 19	ACID of the property of the pr	The state of the s	O SOIT	ATIENA MINERA MI	OFFICE OFFI
15.5 Section 16.44	Special Handling Instructions and Additional Information  THAMS MANIMISTS. Avoid contact  A you liam bits (sidebilicasi) elast notational  A you liam bits (sidebilicasi) elast notational  GENERATOR'S CERTIFICATION: Inereby declare that the co proper shipping name/and are classified, decked, marked, a according to applicable international and national government  I am a large quartity generator, I certify, that I have a p determined to be accommicably practicable and that I have a which minimizes the present and future threat to human h effort to minimize my wasta generation and select the best  Printed/Typed Name  Culled Xiins  Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Contract of the printed of the	entropy of the control of the contro	nd mail Copy 2  In memplence and in the property and mail Copy 1 and mail Copy 1 and mail Copy 1 and mail Copy 1	yas, no converse of the value o	Paragraphics of the state of th	ACID OF THE PROPERTY OF THE PR	bed about the second se	PO SOIT OF THE POPULATION OF T	ATIENA MINERA MI	OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTTOURS OTT
15.5 Section 16.44	Special Handling Instructions and Additional Information  **TAMPS*** **MANAMENTAL **AVOID CONTROL  A YGOD Item. Dris (sidebilicas ji) sfals not an early  GENERATOR'S CERTIFICATION: I hereby declare that the co- proper shipping nameriand are classified, packed, marked, a according to applicable international and national government  If I am a large quantity generator, I certify that I have a p determined to be accordinally practicable and that I have a p determined to be accordinally practicable and that I have a p determined to be accordinally practicable and that I have a p determined to be accordinally practicable and that I have a which minimizes the present and future threat to human h effort to minimize my waste generation and select the best  Printed/Typed Name  Cui Len XI me  Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Output 1 Secretary indicator space Cui & Ygou instructor grin  Discrepancy indicator space Cui & Ygou instructor grin  Discrepancy indicator space Cui & Ygou instructor grin  M = Classifo  M = Classifo  M = Classifo	entropy of the property of the	nd mail Copy 2  Inementation of the free in the season of each process of each process of the season of each process of the season of each process of the season of the se	yas, no converse of the value o	Waste Action of the control of the c	AGE of the state o	th yall and the state of the st	PO SOIT OF THE POPULATION OF T	ATIENA MERA MERA MERA MERA MERA MERA MERA MER	Other Wood
15. 5 - 16 17. 16 17. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Special Handling Instructions and Additional Information  **TAMPS*** **MANAPHINE****  A void centact**  A void centact**	ent of ormanis of and labels and regular regul	nd mail Copy 2  In memplence eith in en ben be ben be ben be ben ben ben be	conv. Sa with are emulov ent emulov ent ent ent ent ent ent ent ent ent ent	Waste Constitution of the	ACID OF THE PROPERTY OF THE PR	th yall and the state of the st	PO SOIT OF THE POPULATION OF T	ATIENT TO THE MANUAL	One pool salt of the po
15. 5 - 16 17. 16 17. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Special Handling Instructions and Additional Information  **TAMPS*** **MANAMENTAL **AVOID CONTROL  A YGOD Item. Dris (sidebilicas ji) sfals not an early  GENERATOR'S CERTIFICATION: I hereby declare that the co- proper shipping nameriand are classified, packed, marked, a according to applicable international and national government  If I am a large quantity generator, I certify that I have a p determined to be accordinally practicable and that I have a p determined to be accordinally practicable and that I have a p determined to be accordinally practicable and that I have a p determined to be accordinally practicable and that I have a which minimizes the present and future threat to human h effort to minimize my waste generation and select the best  Printed/Typed Name  Cui Len XI me  Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Output 1 Secretary indicator space Cui & Ygou instructor grin  Discrepancy indicator space Cui & Ygou instructor grin  Discrepancy indicator space Cui & Ygou instructor grin  M = Classifo  M = Classifo  M = Classifo	ent of ormanis of and labels and regular regul	nd mail Copy 2  In memplence eith in en ben be ben be ben be ben ben ben be	conv. Sa with are emulov ent emulov ent ent ent ent ent ent ent ent ent ent	Waste Constitution of the	ACID OF THE PROPERTY OF THE PR	bed about an appear of the part of the par	Consolidation of the consolida	MINIST MANUAL MA	TOURST I have provided to the
15. 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Special Handling Instructions and Additional Information  **TAMPS*** **MANAPHINE****  A void _contact**  A v	ent of ormanis of and labels and regular regul	nd mail Copy 2  In memplence eith in en ben be ben be ben be ben ben ben be	conv. Sa with are emulov ent emulov ent ent ent ent ent ent ent ent ent ent	Waste Constitution of the	ACID OF THE PROPERTY OF THE PR	bed about an appear of the part of the par	PO SOIT OF THE POPULATION OF T	MARIAN TO THE MARIAN TO THE MARIAN TO THE MARIAN TO THE MARIAN THE	TOURST I have provided to the

veste mutilities 12° 78° 0°

a spill call indiana



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (Chichichite OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT P.O. Box 7035 Indianapolis, IN 46207-7035

DI	FASE	PRINT	OR	TYPE	(Гол

m designed for use on eithe (12-pitch) typewriter.)

U	NIFORM HAZARDOUS WASTE MANIFEST	1. P.D. 1.8.	0.0.1.9.8.7.9	Manifest Document No.	2. Page 1 : Information requirement. D. State in	tion in the shaded areas is used by Federal law, but F, H and I are required by w.
3	Generator's Name and Mailing Addr Tricon Industries Downers Grove II	m 2325 Wisco	nist of the gonerator n	ia igadresa a addresa authorizea eo	NA State Manifest Doc	05886
	Generator's Phone ( gr. 312 )	84 2330 ham	res not to recinity Ou	=92115 EF4	emale with the	15.6万亩10 共享10001
<b>†</b> -: :	Transporter 1 Company Name Size	ration on the Contine facility ( <b>eDivr</b> E	I LD 0.4.5.6.	1110114 HOSB 11 9. 5.7. 1.5	D. Uransporter's Phone E. State Transporter's	
	Transporter 2 Company Name  RRD RA no belitting as assety  Designated Facility Name and Site.			<u> </u>	In This was introducted.	The sales of the
J 5.	American Chemical Griffith In 4631	l Service	rada sienymące są:	on Neste and	918089000 H Facility's Phone (4)	8-1022-0028
igg		6	I. N.D. O. 1. 6. 3.	6- 0-5-6-2 -12 Containe	rs 13.	14. 300 EL 2550
11 a	I. US DOT Description (Including Properties (2016-1101) מינות בינות בינ	er shipping Name, Hazard SOXCG (CIRCHATH IN U.) SOR (1800 ON VIII WU)	Cass, and iD Number) PROD' 、所法(一下 STSS Alta) 一つ	No. Ty	pe Quantity_fe/\   35 und record*	Wt/Vol. Waste No.
	Perchlor ORM-A U	* CF-F <b>7981</b> 2 M	T-Duinp truck Y-Cylloders	3 D	≓ istrotratur Kartaletas120	Gel arool
b.		The second secon	ine. w) for the unit of mea <mark>s</mark> all — Units of Measure	ा है। ॥ अधिकी	not be etten to the same as a dependent of the same and the same and the same are a same as a same are a same a	
С		(liquids only) si (liquids only) (2,000 lbs.)	notisā = B	Polynos Kiegrams Ciolegae	<b>=</b> ∤	
d.	ner than highway is used, the w	tons (1,000 kg.). tement, fl.a. mode of	M = Metro	Cubic mete sind its	hust read, sign by	101617.
T STATE	Addition Descriptions for Materials I jet	ad Ahous Bould Brooks	mode (rail water or r	CESSWANDS K	Hendling Codes for Wes	the I letect Above Statisticans
3887	5. Special Handling Instructions and Addi	ional Information				9
43	policable) and mail Copy 4	Indiana D.E.M.	ich and mail Copy 2 to st mail Copy 2 to the	py 6 and deta	STATE: Retain Co	
	B. GENERATOR'S CERTIFICATION: I he proper shipping name and are class according to applicable internations	Mail	ad labalad and are to all a			d bu fulmbures .
	M I am a large quantity generator, determined to be economically pra	I certify that I have a p clicable and that I have uture threat to human h	rogram in place to reduce selected the practicable results and the environment	the volume and nethod of treatm to OR, if I am a s	toxicity of waste general, storage, or dispo- mal quantity general.	serated to the degree I have sal currently evallable to me
-	effort to minimize my waste general Printed/Typed Name	tion and select the best	waste management metho	d that is available	e so me and that I can	afford.    Month   Day   Year
1	7. Transporter 1, Acknowledgement of Ru			יון היים היים ל	יבעם ילואי חגיהו	ANO OF SHOULD HE
	Printed/Typed Name ColeA/ C/M/ Sum 101	NEALTHO 2	Marie lacility	Planet an	May Com	Ted Treed
		uing and entering the	on the Marines by sign		and the state of t	ODE 95 Month Day Year
1	10. Discrepancy Indication Space U. C. Still 2 U.S.1 Still E. Y.	o generator, mail Co	return copy i lo gene by 5, return Copy 1 i and mail Copy 4 to In	TE: Retain Co	TOR OUT OF STA	OWNER/OPERA
F A C - L	o grundow (8) evit filotowi śruaża	ක් වා පිළිසි වේ වැසි වෙරදා	required manifest copi			indishar penerators a of shipment or recel
: 1	20. Facility Owner or Operator: Certificat	ion of receipt of hezardous		anifest except as	noted heart 15	15Cy J. Marien Day 10
ᆚ	HARROLD F.	JC GIM ICL	(white) TSD MAIL 10 GEN	ERATOR	Je /mi	GE 5. (Hight blue) TSD COPY

Previous editions are obsolets.

State Form 11885 3 - ) A X 763 %

PAGE 3 (light green) TSD MAIL TO GENERATOR
PAGE 3 (light green) TSD MAIL TO TSD STATE
PAGE 3 (light green) TSD MAIL TO TSD STATE
PAGE 4 (light plink) OUT OF STATE GENERATOR/TSD MAIL TO IDEM
PAGE 8 (white) TRANSPORTER 2 COP



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT
P.O. Box 7035
Indianapolis. IN 46207-7035

NIFORM HAZARDOUS WASTE MANIFEST	1, Generator's US EPA ID No. 30 I L · D · 1 · 8 · 0 · 0 · 1 · 9 · 8	Dog a series		Page 1 Informating trees D	ion in the shalling by Fed F, H and I ar	eded areas is erai law, but e required by
Generator's Name and Mailing Address	7	. 22011212121212		of State land	w. Iment Number	رج ، سادین
Tricon Industries	ni bismoser ed liedrum i sneglag e	Coloss Reized abrolos 1 s	े स् १९५५	cn? Al	กร์จัก	8
2525 Wisconsin AV	DOMDOLP GLEAS STT.	ייייעקטייי פאלפאפ	C B	State Generator's IC		
Generator's Phone ( 512 (5) 96 ( Transporter 1 Company Name ( ) ( )	L 12330.1 boccas edit to nod	Number 11th 120	rre en Cu	State Transporter's	Margray A	1746 Fare
H Roskin Motor Ser	vice yalloa I.L.D.O.	656957		(Guapprint's Phone		
Transporter 2 Company Name	8. Use EPA ID			State Transporter's		
on waste as identified in 49 OFR				Transporter's Phone	~~~	
Designated Facility Name and Site Add			74.0	State Facility's ID 2		
American Chemical	· 1	,	10 H	Facility's Phone	164	(1) 16 TO
Griffith In 46319	L.MD.0.	1,6,3,6,0,5,6	3.2	512,768.2	400	
1. US DOT Description (Including Proper S (8:10:461 00:00:00:1:38)	Smithshald Le c hipping Name, Hazard Class, and ID No ICC 1518A1—NOU	mber) No.	Type	13. Total Quantity (19)		Weste No.
25X03		3 305 i=01	DM .	7/10 100°	15/1 JA	001
Perchlor ORM-A UN	· · · · · · · · · · · · · · · · · · ·	01-0unip	ال 🚾 ا	aderocard/plac lanks portable		
			•	Signa of Signal	2500 7 10#	EXPERIMENT.
	connict measure)	l control of the cont		moitaivendan (	अंगत होर हा	<b>建筑</b>
	ts of Measure	ल्य-४० र	1.			<b>新疆</b>
	L = Liters (liquids only)	ויספי		) 		
	G = Gallons (figurial analy) T = Tons (2,000 lbs.)	grams	1 . '			1. 1. 1.
<u>and the second of the second </u>	M = Metric tons (1,000 kg.)	C metes			200	
other than highway is used, the w	ertification statement If a mode	d), and sate the oc	מאַ האח	ามรt เอรต์: รฐก	าอารายกล	
wicled energy	all water or eir) incertad in the	יביינים ביום שחילף (ד	5 254 54	Per Depresent and		17/19/2005
Additional Descriptions for Materials Listed /	A CONTRACTOR OF THE STATE OF TH	FIED ELITE ELIT	13.3	191401101	CHARLENII.	10 IO
						200
		روم المرابعة				
5. Special Handling Instructions and Addition	al Information	.ebox	waste	opropriate EPA	the most $\epsilon$	ret∩∃ (I)
	nail Copy 2 to Indiana D.E.M.	and defach and n	Сору	STATE: Retain	RATOR IN	GENE
f applicable) and mail Copy 4.	opy 2 to the Generator State (	Copy 6 and mail C	เลียเลโก (	T OF STATE:	RATOR OF	GENE
8. GENERATOR'S CERTIFICATION: I hareb	declare that the contents of this co	neignment are fully an are in all respects in pr	d accurs	tely described abo	we by ———————————————————————————————————	
according to applicable international a						
6 It I am a large quantity generator, I or determined to be economically practic	able and that I have selected the pri	acticable method of tr	satment,	storage, or dispo-	sal currently a	evailable to me
which minimizes the present and future effort to minimize my waste concretion	and select the best waste managem	ent method that is ava	ilable to	me and that I can	afford.	12
	Signatu.	re Aud		7400 1044		hi Day - Year
17. Transporter 1 Acknowledgement of Recei	St of Managara, or Spirit of the All	STATE OF THE WINE	ELTHIC	יבוים אוצט ער	1110 01 5	SIDITUONI
Printed/Typed Name	Spren		<u>.</u>	John Wich	سمه و المارات	- Date VIII
s to had have to had before a	There recitifyer own and the en		, j.j.	epresents he		
18. Transporter 2 Acknowledgement of Rece	ot of Meterials	मुख्यानुद्धारम् आस्त्रास्य स्टब्स्	·itingeal	Bradin vengelije <del>Dogani</del> e lage	arou yorda	Date 13.1
ihe date, of receipt.		lescrib - d on the M		eptance of the	SSE SE Mon	
19. Discrepancy Indication Space CI & VUI	oby it to generation and mail us	Copy a, return C	าเฌอห :	IUK IN SIAIC	א טרבונא	เท่งเบ
Copy 3 to the 15D State	turn Copy 1 to generator, mail Copy 4 to Indiana D.E.M.	Rétain Copy 5, re	STATE:	TOR OUT OF	M/onen4	CWN
if Indiana within five (5) working d				ililiori dat bae	reneratins :	ীয় চারনের্যাসনা
				pt of the waste		
20. Facility Owner or Operator: Certification	of receipt of hazardous meterials ordina	d by this manifest arms	t as note	nem 19	<del>- :    10 -</del>	<u> </u>
Printed/Typed Name	Slope			01/ 25 to Inam:	Mon	th Day Yes
1/12/2011011	Min to	MINISTON !	14	month	102 10 C	0
- eros es in a ner inuiti i inicit	IIBL[FIGN: " PAGE 1 (white) TSD MAI	IL TO GENERATOR 🗽	/	TOTAL TOTAL PAGE	3E 5 (light blu	A) TSD CORY

東京教育の中のでは、大は大学ので

a spill call Indiana Office of Environmental Response at 317/243-5155 (day), or 317/633-0144 (night) and

٥

in case of a spill call Indiana Office of Envirol National Response Center at 800/424-8802

OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT
P.O. Box 7035 P.O. Box 7035 Indianapolis, IN 46207-7035

JNIFORM HAZARDOUS	1. Generator's U	S EPA ID No. 17 Data uf 1 Ft.	Manifest Document No	2 Pt	ige 1 Informa not reg	ion in the uired by	shaded areas Federal law, but I are required to	
WASTE MANIFEST  Generator's Name and Mailing Address	TADOO		<del>                                     </del>		ate Manifest Doc	ment Num	ber!	_
Tricon Industries		084124	อวีติเบเต ประชาสเทรา	<u>قا ا                                  </u>	<b>A⁵</b> 5502	494	54	1
Downers Grove II. 5	0515 Chy. caw	าดภาษาสาย เขาเทียง	i la redimen C	B. St	te Generator a K		in the state of	21
Lo Generator's Phone ( 31 8 %) Q6	4"2330	ng as agrt barread arra di • 6. □ Use EPA ID Numbe	to the colors	C.St	Langoriera	0 7 53		
H. b. Rockin and every of the	មេស១ មក, ១០១១ » សមាសនៃមា សមានគឺ	TT TO 0.4 . 8 . 8	io noce ness	■ D.fn	necorter's Phon			=
7. Transporter 2 Company Name		8. Use EPA ID Numbe	r	E. St	de Transporter's			5
r HRO és cifbaillagair sa crasw r		<u></u>			neporter's Phone		entanta sala di Paris	<u>[</u> 5
Designated Facility Name and Site Ac		- 10. · Use EPA ID Numbe		1	ale Facility's ID		COTA -	
American Chemical	•	កាជីពង <b>ខ្</b> លែកមួយមួយ ១០ - <b>ា</b> សំ	' cas elsa e	HE	1806900			
Criffith In 46319	<u> </u>	TWD-0-1-6-3		2 8	312 768	3400		S.
11. US DOT Description (Including Proper	Shipping Name, Hazard	d Class, and ID Number)	12. Conta	Type	13. Total Quantity !=*.	Unit Wt/Vol.	Waste No. 5	1
E-1, 20%C	ل نام - زار ۱۰ مورین در	<u> </u>	6) <u>u</u>	3	as a strock	-27.2	WO'NE	
Perchlor ORM-A:UM	31. <b>1897</b> (⊶40 31.48- <i>N</i> 3	าร์ไปเกาะ วายอดีน - ซึ่ง เอาะอิกล์งเกาะ		1	4551201,0541 4551201,0541	<b>661</b>	1007	
<u> </u>			On 164 CG		a elegar to an	יון ביעקי		*
	. <u>.</u> 91	nor the unit of ineas.	१५० व. ५ स्व		าดและของสมอด	~ .		3
		- Units of Massure	16 1	·				
	יון און און און און און און און און און א		stn.	경토		33.2		
	Silliquids only) 2,000 lbs.)		. ems@c oic•∨•ric	0.		133		
	- (.gx (40), () grid	<del></del>	- ୧ ସମେ ସାପ	J =	10000	-7234		
ther than highway is used, the wo					ุบร่า read. รเว็	101614		
Fig. 1 Additional Descriptions for Materials Listed		and haten first one	a Git and Migratic		ng Coder for We	mile	Above	
<b>三人称《美国大学》</b>	22A			2			NEW YORK	Ð
		とだい はっこう はきほうだん			trait to a second		`	: - 1
Att parties a 1994, The Control of Marries								- 1
	and Information							波
15. Special Handling Instructions and Addition	mal information		epo	A-waste	or schale Ef	a ledii 2	artiona.(I)	
	indiana DE M. Le	and mail Conv. 2 10	6 and detact	VOOD n	STATE: Rein	TOR IN	CENÊR	
ecpicable) and mail Copy 4	Indiara DEJA jei stelor State (.K	mail Copy 2 to the C	6 and detact Copy 6 and	n Cooy	STATE: REA	TOR IN	CENER	
A YGO JIFM DAS (SICSOTIQUE	Indiana DE M. ** en erelor Stale (.k o ent tert ereloeb voi	mail Copy 2 to The Commissions aid to education	6 and delaci Copy 6 and As yellot era in	n Copy Reag	STATE: REALITY OF STATE	NI HOTA	GENER	
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classift according to applicable international	MAD sistent  ) plat coloreste  key declare that the colod, packed, marked, and national government	ontents of this constraint and labeled, and are in at lent regulations.	6 and defaul Copy 6 and bns yilly ens the org ni stoegest lyng of pring	Cook	STATE! REIM UT OF STATE odenery vol not VSPORTERS	MI HOTA IO HOTA A COTA To by It by highway	GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GENERA GE	Te
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international.  If I am a large quantity generator, I determined to be economically practice.	MAD sign.  by declare that the cled, packed, married, and national government certify that I have a ticoble and that I have the that the time throat the human	ontants of this consignment and labeled, and are in all sent regulations.  program in place to reduce a selected the practical the practical thanks and the environment.	the solution of the course of	Copy The condition of the copy of the copy Copy Copy Copy Copy Copy Copy Copy C	STATE: Real of the control of the co	VI HOTA  O HOTA  we by  I by higher  IART OI  rerated for	CENERA GENERA Very STORY STORY Of Lengton the	200
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international of teaming the second translation of the second translation	MAD sign.  point of sign of si	ontants of this consignment and isbeled, and are in all the regulations. The program in place to reduce a selected the practication the invitoring the waste management met	tueled by the delaction of the series of the	Coopy Coopy Conditions of learns a smant of elder	TATE TATE  TATE TO TELL  TO TE	WI HOT/ NATT Some by the by higher IART Of herated to seal curren or, I have afford.	VARIABLE VAR	200
A 200 limit bits (sldsblique)  16. GERERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international  If I am a large quantity generator, I determined to be economically pract which minimizes the present and ful effort to minimize my waste generation Printed/Typed Name	MAD sign.  by declare that the cled, packed, married, and national government certify that I have a ticoble and that I have the that the time throat the human	ontants of this consignment and isbeled, and are in all the regulations. The program in place to reduce a selected the practication the invitoring the waste management met	the solution of the course of	accurate per condition of the condition	y described about on for transpose of the transpose of tr	VI HOTALION	HREMED.  HREMED  HREME	me
16. GENERATOR'S CERTIFICATION! I here proper shipping name and are classiff according to applicable international of the minimizer of the proper shipping name and are classiff according to applicable international of the minimizer of the present and further minimizer of the present and further to minimizer my waste generation. Printed/Typed Name	M30 sistent h) dist2 notations by declare that the color, led, packed, marked, and national governm certify that I have a ticable and that I have tre threat to human on and select the bear	ontants of this consignment and isbeled, and are in all the regulations. The program in place to reduce a selected the practication the invitoring the waste management met	the same default of the same are same a	Ecurate of conditions of the c	y described ab- tion for transpo ERTANGES  Ty described ab- tion for transpo ERTANGES  Ty of wasta ga- tity of wasta and that I can	VI HOTA  O HOT	HEMED.	me aith
A 200 list on a (sldsblidge)  16. GERERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international  If I am a large quantity generator, I determined to be economically pract which minimizes the present and fut effort to minimize my waste generation Printed/Typed Name  17. Transporter 1 Acknowledgement of Rich Printed/Typed Name	Mag significations of the color	ontents of this consignment and labeled, and are in attent regulations.  program in place to reduce selected the practicable health and the environment waste management met	the same default of the same are same a	Ecurate of conditions of the c	y described ab- tion for transpo ERTANGES  Ty described ab- tion for transpo ERTANGES  Ty of wasta ga- tity of wasta and that I can	WI AOTA NO BY The By highway ANT On have afford.	WHENED USENED USENED WATER WAT	me aith
A 200 Jism Dr.s (sidsolique)  16. GENERATOR'S CERTIFICATION: I here proper ehipping name and are classiff according to applicable international  If I am a large quantity generator, I determined to be economically pract which minimizes the present and fur effort to minimize my waste generation Printed/Typed Name  17. Transporter I Acknowledgement of Pict Printed/Typed Name  300 907 25 Fig. 1 Jun 3016	MAD Scients  And S	ontents of this consignment and labeled, and are in all sent regulations. Appropriate to reduce selected the practicable health and the environment waste management met.  Signsture	the and defact the series of and defact the series of and of the series	accurate conditions of the con	y described about on for transpose of the transpose of transpose of the transpose of the transpose of transpose o	WI HOTAL IO HOTAL We by highway to by highway to have seal currency, I have afford.	HEMED.  JAMES AND STREET OF THE STREET OF TH	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international of the minimizer my waste generation to minimize my waste generation. If I may a large quantity generator, I determined to be economically practivitich minimizes the present and further minimizer my waste generation. If I minimize my waste generation of the printed/Typed Name.  17. Transporter 1 Acknowledgement of Rec. 18. Transporter 2 Acknowledgement of Rec. 18. Transporter	districtions of the color of the color of Materials  and address that the color of	ontents of this consignme and labeled, and are in all lent regulations.  program in place to reduce selected the practication the selected the practicational the selected the practication to the selected the practical through the selected the practical transition to the selected the practical transition to the selected through through the selected through the selecte	mi are fully and i respects in property in the property in property in property in property in the property in	scurate second s	y described abtion for transposition for transpo	WI HOTALON OF THE PROPERTY OF	ARBINED AND ARBINED ARBINED AND ARBINED AND ARBINED ARBINED AND ARBINED ARBINED AND ARBINED ARBINED ARBINED AND ARBINED ARBINED ARBINED ARBINED AND ARBINED ARBINE	me aith
A 200 Jism Dr.s (sidsolique)  16. GENERATOR'S CERTIFICATION: I here proper ehipping name and are classiff according to applicable international  If I am a large quantity generator, I determined to be economically pract which minimizes the present and fur effort to minimize my waste generation Printed/Typed Name  17. Transporter I Acknowledgement of Pict Printed/Typed Name  300 907 25 Fig. 1 Jun 3016	S MBD signment of the collection of the collecti	ontents of this consignme and labeled, and are in all lent regulations.  program in place to reduce selected the practication the selected the practicational the selected the practication to the selected the practical through the selected the practical transition to the selected the practical transition to the selected through through the selected through the selecte	mi are fully and i respects in property in the property in property in property in property in the property in	scurate second s	y described abtion for transposition for transpo	WI HOTALON OF THE PROPERTY OF	ARBINED AND ARBINED ARBINED AND ARBINED AND ARBINED ARBINED AND ARBINED ARBINED AND ARBINED ARBINED ARBINED AND ARBINED ARBINED ARBINED ARBINED AND ARBINED ARBINE	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international if I am a large quantity generator, of determined to be economically practivation minimizes the present and further to minimize my waste generate. Printed/Typed Name  17. Transporter 1 Acknowledgement of Rec. Printed/Typed Name  18. Transporter 2 Acknowledgement of Rec. Printed/Typed Name  19. Printed/Typed Name	MAC Science of the color of the	ontents of this consignment of this consignment of this consignment of this consignment of the consideration.  The consideration of the	find defact Copy 6 and defact Copy 7 and C	scourse conditions of the cond	ATATE REPARENT OF STATE OF STATE OF STATE OF COMPANY OF	WI AOTA  We by  It by highwarded to  seal current or, I have afford.  Design	AREMED AREA OF THE PROPERTY OF	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international according to applicable international which minimizes the present and further minimizes the present and further to minimize my waste generation of the printed/Typed Name  17. Transporter 1 Acknowledgement of Pictures of the printed/Typed Name  18. Transporter 2 Acknowledgement of Rec. Printed/Typed Name  Printed/Typed Name  19. Printed/Typed Name	MAC sistent  A) class classical  A) classical  A	ontents of this consignment of this consignment of this consignment of this consignment of the consideration.  The consideration of the	6 and detaut Copy 6 and bar village of plus or	conditions of the conditions o	ATATE REPARENT OF STATE OF STATE OF STATE OF COMPANY OF	WI AOTA  We by  It by highwarded to  seal current or, I have afford.  Design	AREMED AREA OF THE PROPERTY OF	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international if I am a large quantity generator, of determined to be economically practivation minimizes the present and further to minimize my waste generate. Printed/Typed Name  17. Transporter 1 Acknowledgement of Rec. Printed/Typed Name  18. Transporter 2 Acknowledgement of Rec. Printed/Typed Name  19. Printed/Typed Name	MAC sistent  A) class colories  and national governm  certify that I have a ticoble and that I have ture threat to human on and select the best  ceipt of Materials	mail Copy 2 to The Control of the Copy 2 to The Copy 4 to	6 and detact Copy 6 and part of the part o	scorate conditions of the cond	ATATE REPARENT OF STATE NEW YSPORTERS OF disposition for transport of the property of the prop	WI AGT OF THE PROPERTY OF THE	AREMED AND AREA OF THE PROPERTY OF THE PROPERT	me aith
A YQQQ Jism Dr.s (sidsolique)  16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international determined to be economically pract which minimizes the present and further to minimize my waste generation of the printed/Typed Name  17. Transporter 1 Acknowledgement of Recommendation of Printed/Typed Name  18. Transporter 2 Acknowledgement of Recommendation of Printed/Typed Name  Printed/Typed Name  19. Discrepency indication Space Of E. You shall Click 911 of E. Yqque Sall Part 912 of	MEDISTRICT  A DISTRICT STATE	mail Copy 2 to The Completon airt to atraction to a traction of a condition of the conditio	6 and detact Copy 6 and part of the part o	scorate conditions of the cond	TOR CITY OF STATE REAL OF CHAPTER SO THERE SERVING THERE SERVING THE CITY OF T	WE BY HIGH	AREMED AND AREA OF THE PROPERTY OF THE PROPERT	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international according to applicable international according to applicable international if I am a large quantity generator, I determined to be economically practivation minimizes the present and further to minimize my waste generate.  Printed/Typed Name  17. Transporter 1 Acknowledgement of Rec. Printed/Typed Name  18. Transporter 2 Acknowledgement of Rec. Printed/Typed Name  19. Discrepency indication Space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication space 01 & Vigoration of Page 19. Discrepency indication of Page 19. Discrepency ind	WE DESIGN.  WE DESIGN TO SEE THE CONTROL OF THE CON	mail Copy 2 to The Control of the Copy 1 to check the manufactor of sold of the Copy 1 to check the copy 1 to copy 1	6 and detact Copy 6 and part of the part o	Course Conditions of the Course Conditions of the Course Conditions of the Course Cour	y described about the first and that I can and I ca	we by the by highway hard to h	AREMED AND AREA OF THE PROPERTY OF THE PROPERT	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international of determined to be economically pract which minimizes the present and fur effort to minimize my waste generation Printed/Typed Name  17. Transporter 1 Acknowledgement of Rec Printed/Typed Name  18. Transporter 2 Acknowledgement of Rec Printed/Typed Name  19. Discrepancy indication Space of a year of the printed of the printe	WE DESIGN.  WE DESIGN TO SEE THE CONTROL OF THE CON	mail Copy 2 to The Control of the Copy 1 to check the manufactor of sold of the Copy 1 to check the copy 1 to copy 1	6 and detact Copy 6 and part of the part o	Course Conditions of the Course Conditions of the Course Conditions of the Course Cour	y described ab ton for transpose of the waste general to an analysis of the control of the contr	WI AGT OF THE PROPERTY OF THE	AREMEDIA  JANANO  AREA	me aith
16. GENERATOR'S CERTIFICATION: I here proper shipping name and are classiff according to applicable international according to the according to the printed/Typed Name  17. Transporter 1 Acknowledgement of Recommendation according to the according to	MAC sasion  A) Sist Constants  Any declare that the constant of the constant o	mail Copy 2 to The Completon airth or streeton le ni era bra, beledal bne le ni era bra, beledal bne le ni era bra, beledal bne substant of example e autangis e auta	6 and detact Copy 6 and part of the property o	scourse conditions of the cond	y described about on the responsibility of t	WI AGT OF THE PROPERTY OF THE	AREMEDIA  JANANO  AREA	me sikh

>	IN
	CF
3 ABS	Ρ.0
	Ind

	CFFICE OF SOLID AND HAZARDO P.O. Box 7035	
	Indianapolis, IN 46207-7035	
n n	LEACE DOINT OF TYPE	Firm designed for use of

UNIFORM HAZARDOUS 1+ Generator	SUS EPA ID No. 0 5 0 8 4 1 2 4 0	Manifest	. I	2. Page 1 Inform	ation in	1039. Expires 9-30 the shaded areas by Federal law 1
VVASTE IVIAIVII EST	0.5.08.4.12.40	1.0.0	.'9	of litems State	D, F, H a law.	the shaded areas by Federal law, t and I are required
<ol> <li>Generator's Name and Mailing Address</li> <li>Tricon Industries 2325 With</li> </ol>	niagona			A. State Manifest Do		
Downers Grove IL 60515			H	B. State Generator's	<u> 226</u>	42
4. Generator's Phone ( 312 ) 964 2330			- !	D. State Generator S	10	
5. Transporter 1 Company Name	6. Use EPA ID Number		1	C. State Transporter		1400
H Roskin Motor Service 7. Transporter 2 Company Name	I · L · D · O · 4 · 5 · 6 · 9  8. Use EPA ID Number	5.7.1	.5	D. Transporter's Pho		376 934
7. Hansporter 2 Company Name	O. USE EFA ID NUMBER		. }	F. Transcerter's Pho		
9. Designated Facility Name and Site Address	10. Use EPA ID Number	<del></del>	1	G. State Facility's ID		
American Chemical Service Griffith IN 46319				9180890	OOE	
011111th IN 40019	I.N.D.O.1.6.3.6	05.6		H. Facility's Phone <b>312 376</b>	アトアの	
	1.0.0.1.0.0.	12. Cont		<u></u>	14.	Ī
11. US DOT Description Thoruding Proper Shipping Name, Ha	azard Class, and ID Number;	. No.	Туре	Total Quantity	Unit Wt/Vol	Waste No.
a			Dir	100	0 - 3	7003
Perchlor ORM-A UN 1897			DM	100	Gal	F001
C	<del></del>	<u></u>	<u> </u>		<del> </del>	<del>                                     </del>
1,1,1 Trichloroethane ORM-	-A UN2831	1	DM	50	Gal	F001
		· ·		· · · · ·	<del> </del>	
C.						
	• .					
d.	λ.					
	•	ì		,		
J. Additional Descriptions for Materials Listed Above		<u> </u>	K. Ha	andling Codes for W	istes Liste	d Above
		,				`.
·						
15. Special Handling Instructions and Additiona Information		·	<u> </u>			
• •						
40 OF MEDITORIO OF PURIOUS DATE OF THE ALL TO A MILE OF THE OWNER OWN						
proper shipping name and are classified, packed, marke	d, and labeled, and are in all resp					nway
	ed, and labeled, and are in all respondent regulations.	ects in pro	per ci	ondition for transpo	rt by high	-
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I h which minimizes the present and future threat to humans.	id, and labeled, and are in all respondent regulations.  a program in place to reduce it is selected the practicable me an health and the environment.	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I h
according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I h which minimizes the present and future threat to huma effort to minimize my waste generation and select the b	ed, and labeled, and are in all respondent regulations.  a program in place to reduce the are selected the practicable mean health and the environment; the est waste management method to	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I h
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I h which minimizes the present and future threat to human	id, and labeled, and are in all respondent regulations.  a program in place to reduce it is selected the practicable me an health and the environment.	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	to the degree I hently available to made a good to Date
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I h which minimizes the present and future threat to huma effort to minimize my waste generation and select the b	ed, and labeled, and are in all respondent regulations.  a program in place to reduce the are selected the practicable mean health and the environment; the est waste management method to	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	to the degree I hently available to made a good f
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I h which minimizes the present and future threat to huma effort to minimize my waste generation and select the b	ed, and labeled, and are in all respondent regulations.  a program in place to reduce the are selected the practicable mean health and the environment; the est waste management method to	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good to Date Month Day
proper shipping name and are classified, packed, marke according to applicable international and national gover if I am a large quantity generator, I certify that I have determined to be economically practicable and that I highlighten with the minimizes the present and future threat to hums effort to minimize my waste generation and select the boundary of the printed Typed Name  17. Transporter 1 Ackhowledgement of Receipt of Materials  Printed Typed Name  18. Printed Typed Name	ad, and labeled, and are in all respondent regulations.  a program in place to reduce the practicable me an health and the environment; dest waste management method is Signature	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good f
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I have with the minimizes the present and future threat to him effort to minimize my waste generation and select the beautiful and the property of the property o	ad, and labeled, and are in all respondent regulations.  a program in place to reduce the practicable me an health and the environment; dest waste management method is Signature	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently av
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to minimize the present and future threat to hums effort to minimize my waste generation and select the beautiful and the printed property of Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials	a program in place to reduce it nave selected the practicable me an health and the environment: (sest waste management method it Signature)	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good for the Day You have the Day You have the Day You have Date
proper shipping name and are classified, packed, marke according to applicable international and national gover if I am a large quantity generator, I certify that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to minimize the present and future threat to hums effort to minimize my waste generation and select the beautiful printed. Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials	a program in place to reduce it nave selected the practicable me an health and the environment: (sest waste management method it Signature)	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good f  Month Date Day Y  Month Date Day Y  Date
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I have determined to the economically practicable and that I have determined to the present and future threat to huma effort to minimize my waste generation and select the boundary ped Name  17. Transporter 1 Ackhowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	a program in place to reduce it nave selected the practicable me an health and the environment: (sest waste management method it Signature)	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently av
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I have determined to the economically practicable and that I have determined to the present and future threat to huma effort to minimize my waste generation and select the boundary ped Name  17. Transporter 1 Ackhowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	a program in place to reduce it nave selected the practicable me an health and the environment: (sest waste management method it Signature)	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently av
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and select the beautiful to minimize my waste generation and	a program in place to reduce it nave selected the practicable me an health and the environment: (sest waste management method it Signature)	ne volume thod of tre OR, if I am	per co and to atmen a sma	ondition for transpo oxicity of waste ge at, storage, or dispo all quantity genera	nerated to sal curre	o the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a made a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently available to a good for the degree I hently av
proper shipping name and are classified, packed, marke according to applicable international and national gover If I am a large quantity generator, I certify that I have determined to be economically practicable and that I have determined to be economically practicable and that I have determined to the present and future threat to hums effort to minimize my waste generation and select the boundary ped Name  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name	ad, and labeled, and are in all respondent regulations.  a program in place to reduce it have selected the practicable mean health and the environment. Signature  Signature  Signature  Signature	ne volume thod of tre OR, if I am	per ci	oxicity of waste ge tt, storage, or dispall quantity genera me and that I can	nerated to sal curre	o the degree I hently available to a made a good for the Day Month Date Month Day Month Date

When using the uniform saste manifest for rail or water (bulk shipments) or international shipments, refer to the applicable Staregulations.

### INSTRUCTIONS TO GENERATORS (Please type or print clearly)

- (1) Enter generator's U.S. EPA twelve digit identification number and the unique five digit document number assigned to this Manifest (e.g., 00001) by the generator.
- (2) Enter total number of pages comprising this Manifest.
- (3) Enter generator's name and mailing address.
- (4) Enter telephone number where an authorized agent of the generator may be reached in event of an emergency
- (5, 6) Enter company name and U.S. EPA I.D. number of the first transporter who will transport the waste.
- (7, 8) If applicable, enter company name and U.S. EPA I.D. number of the second transporter who will transport the waste. If more than two transporters are used, enter each additional transporter's information on the Continuation Sheet (EPA Form 8700-22A).
- (9, 10) Enter company name site address, and U.S. EPA I.D. number of the facility designated to receive the waste listed on this Manifest.
  - (11) Enter U.S. DOT Proper Shipping Name, Hazard Class, and I.D. number (UN/NA) for each waste as identified in 49 CFR 171 through 177. Note: If additional space is needed for waste descriptions, enter in Item 28 on the Continuation Sheet (EPA Form 8700-22A).
  - (12) Enter number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

## Table I - Types of Containers

DM-Metal drums TT-Tank Trucks CM-Metal boxes (including roll-offs)
DW-Wooden drums TC-Tank cars CW-Wooden boxes
DF-Fiberboard/blastic DT-Dump truck CF-Fiber or plastic boxes
TP-Tanks portable CY-Cylinders BA-Bags

- (13) Enter total quantity of waste described on each line.
- (14) Enter appropriate abbreviation from Table II (below) for the unit of measure.

Table II - Units of Measure

P = Pounds

K = Kilograms

Y = Cubic yards

N = Cubic meters

L = Liters (liquids only)

G = Gallons (liquids only)

T = Tons (2,000 lbs.)

M = Metric tons (1,000 kg.)

(16) The generator must read, sign (by hand), and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted in the space below.

### THE FOLLOWING INFORMATION IN THE SHADED AREAS IS REQUIRED BY INDIANA STATE LAW

- (D) Enter the phone number of first transporter.
- (F) Enter the phone number of second transporter (if applicable).
- (H) Enter the phone number of the designated facility.
- (1) Enter the most appropriate EPA waste code.

GENERATOR IN STATE: Retain Copy 8 and detach and mail Copy 2 to Indiana D.E.M.
GENERATOR OUT OF STATE: Retain Copy 8 and mail Copy 2 to the Generator State (if applicable) and mail Copy 3 to Indiana D.E.M.

### **INSTRUCTIONS TO TRANSPORTERS** (Please type or print clearly)

(17, 18) Enter name of the person accepting the waste on behalf of the transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

TRANSPORTER(S): Retain Copy 7 (Copy 6) and leave remaining copies with FACILITY OWNER/OPERATOR.

## INSTRUCTIONS TO DEFINERS AND OPERATORS OF TREATMENT, STORAGE, OR DISPOSAL FACILITIES (Please type or print clearly)

- (19) The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any discrepancy between the waste described on the Manifest and the waste actually received at the facility.
- (20) Print or type name of the person accepting the waste on behalf of the owner or operator of the facility. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

OWNER/CREATOR IN STATE: Retain Copy 5, return Copy 4 to generator and mail Copy 1 to Indiana D.E.M.
OWNER/OPERATOR OUT OF STATE: Retain Copy 5, return Copy 4 to generator, mail Copy 1 to the TSD State
(if applicable) and mail Copy 3 to Indiana D.E.M.

Indiana generalors and TSD facilities must mail the required manifest copies to the State of Indiana within five (5) working days of shipment or receipt of the waste (IC 13-7-8.5-7).

Address all manifest copies.

Indiana Department of Environmental Management Office of Solid and Hazardous Waste Management P.O. Box 7015 Indianage Co. 1: 16207-7036

Manifest Tracking Poune Number (347):243-5014

PLEASE PRINT OR TYPE

(Form designed for use on elite (12-pitch) typewriter.

Form Approved, CMB No. 2050-0039, Expires 9-30-91

4.	Downers Grove IL 60515  Generator's Phone (318 ) 964 2330			B Stat	e Generator's	1D	*****		
5.	Transporter 1 Company Name	6. Use EPA ID Number		Ī	e Transporter'		140		
7	H Roskin Motor Service Transporter 2 Company Name	I · L · D · O · 4 · 5 · 6 ·	9-5-7-1-5		sporter's Phore		375	93	43
	Transporter 2 dompany rame	· · · · · · · ·		L	sporter's Phor				
9.	Designated Facility Name and Site Address  American Chemical Service  Griffith IN 46319	10. Use EPA ID Number			Facility's ID 180890	200			
	OIIIII IN TOUR	I.N.D.O.1.6.3.	6.0.5.6.2		ity's Phone 375	<b>934</b> 3			
11	. US DOT Description (Including Proper Shipping Name, Hazard	d Class, and ID Number;	12. Containe	rs pe	13. Total Quantity	14. Unit Wt/Vol.		l. aste No	)
а.	Perchlor ORM-A UN 1697		2 D	£ .	100	Gal	FO	01	 د
2.	1,1,1 Trichloroethane ORM-A	UN2831	1 Da	<u> </u>	50	Gal	FO	01	
<u> </u>				<u> </u>			<del></del>		
•	·					İ			
3.		i l		1					
J. ,	Additional Descriptions for Materials Listed Above		K	landling	Codes for Wa	stes Liste	d Above		•
						-			
		*					:		
15	Special Handling Instructions and Additional Information		<u> </u>	· · · · · · · · · · · · · · · · · · ·					
	••								
6.	GENERATOR'S CERTIFICATION: I hereby declare that the corproper shipping name and are classified, packed, marked, an according to applicable international and national governme if I am a large quantity generator, I certify that I have a predetermined to be economically practicable and that I have which minimizes the present and future threat to human heffort to minimize my waste generation and select the best of the present and the property of the present and future threat to human heffort to minimize my waste generation and select the best of the present and the property of the present and the property of the present and the property of the present and the prese	nd labeled, and are in all re ent regulations. rogram in place to reduce selected the practicable mealth and the environment	spects in proper the volume and tethod of treatme ; OR, if i am a sn	condition toxicity ent, stora nall quai	of waste gen of waste gen lige, or dispo ntity generate	rt by high nerated to sal currer or, I have	o the de	lable	to m
	Printed/Typed Name	Signature						Cate Day	Yea
17	Transporter 1 Acknowledgement of Receipt of Materials	C'							
	Printed/Typed Name	Signature	i			1		Date Day	Yea
	. Transporter 2 Acknowledgement of Receipt of Materials		<del></del>					1	<u> </u>
18	Printed/Typed Name	Signature		,			Month:	Date Day	Yea
18	•								

case of a spill call the Indiana Office of Environmental Respor at 317/241-4336 (day or night) and the tional Response Center at 800/424-8802 or 202/426-2675.

EPA Form 8700-22 Previous editions are obsolete. State Form 11865 (R/4-88) When using the uniform waste manifest for rail or water (bulk snipments) or international snipments, refer to the applicable state regulations.

### INSTRUCTIONS TO GENERATORS (Please type or print clearly)

- (1) Enter **generator's** U.S. EPA twelve digit identification number and the unique five digit document number assigned to this Manifest (e.g., 00001) by the generator.
- (2) Enter total number of pages comprising this Manifest.
- (3) Enter generator's name and mailing address.
- (4) Enter telephone number where an authorized agent of the generator may be reached in event of an emergency.
- (5, 6) Enter company name and U.S. EPA I.D. number of the first transporter who will transport the waste.
- (7, 8) If applicable, enter company name and U.S. EPA I.D. number of the second transporter who will transport the waste. If more than two transporters are used, enter each additional transporter's information on the Continuation Sheet (EPA Form 8700-22A).
- (9, 10) Enter company name, site address, and U.S. EPA I.D. number of the facility designated to receive the waste listed on this Manifest.
  - (11) Enter U.S. DOT Proper Shipping Name, Hazard Class, and I.D. number (UN/NA) for each waste as identified in 49 CFR 171 through 177. Note: If additional space is needed for waste descriptions, enter in Item 28 on the Continuation Sheet (EPA Form 8700-22A).
  - (12) Enter number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

## Table I - Types of Containers

DM-Metal drums

TT-Tank Trucks

CM-Metal boxes (including roll-offs)

DW-Wooden drums

TC-Tank cars

DF-Fiberboard/plastic

DT-Dump truck

TP-Tanks portable

CM-Wooden boxes

CF-Fiber or plastic boxes

BA-Bags

(13) Enter total quantity of waste described on each line.

(14) Enter appropriate abbreviation from Table II (below) for the unit of measure.

## Table II - Units of Measure

P = Pounds

K = Kilograms

Y = Cubic yards

N = Cubic meters

L = Liters (liquids only)

G = Gallons (liquids only)

T = Tons (2,000 lbs.)

M = Metric tons (1,000 kg.)

(16) The generator must read, sign (by hand), and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted in the space below.

### THE FOLLOWING INFORMATION IN THE SHADED AREAS IS REQUIRED BY INDIANA STATE LAW

- (D) Enter the phone number of first transporter.
- (F) Enter the phone number of second transporter (if applicable).
- (H) Enter the phone number of the designated facility.
- (1) Enter the most appropriate EPA waste code.

**GENERATOR IN STATE:** Retain Copy 8 and detach and mail Copy 2 to Indiana D.E.M. **GENERATOR OUT OF STATE:** Retain Copy 8 and mail Copy 2 to the Generator State (if applicable) and mail Copy 3 to Indiana D.E.M.

## INSTRUCTIONS TO TRANSPORTERS (Please type or print clearly)

(17, 18) Enter name of the person accepting the waste on behalf of the transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

TRANSPORTER(S): Retain Copy 7 (Copy 6) and leave remaining copies with FACILITY OWNER/OPERATOR.

## INSTRUCTIONS TO OWNERS AND OPERATORS OF TREATMENT, STORAGE, OR DISPOSAL FACILITIES (Please type or print clearly)

- (19) The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any discrepancy between the waste described on the Manifest and the waste actually received at the facility.
- (20) Print or type name of the person accepting the waste on behalf of the owner or operator of the facility. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

OWNER/OPERATOR IN STATE: Retain Copy 5, return Copy 4 to generator and mail Copy 1 to Indiana D.E.M.
OWNER/OPERATOR OUT OF STATE: Retain Copy 5, return Copy 4 to generator, mail Copy 1 to the TSD State
(if applicable) and mail Copy 3 to Indiana D.E.M.

Indiana generators and TSD facilities must mail the required manifest copies to the State of Indiana Within five (5) working days of shipment or receipt of the waste (IC 13-7-8.5-7).

Address all manifest copies:

Indiana Department of Environmental Management Office of Solid and Hazardous Waste Management P.O. Box 7035 Indianapolis, IN 46207-7035

Manifest Tracking Phone Number: (317)243-5014

•	Ü	7
Ť.	÷	``
	-	-
•	*	ij
•		'n
	-	ij
•	1	1
٠	Ý	
ť	Ž,	1
2	٠,	Ü
3	÷	-
ĺ	2	
5	:	•
Ę	-	
E		
ž	٠,	į
Ì		
Ş		
ż	٠.	-
ó		
:	٠.	'n.
5		
Ħ		
2	•	:
9	•	
ဂ္ဂ	•	٠.
ζ		
Š	٠.	٠
ţ	:	Ž
2	1	
		Ž,
~	١.	•
9		•
ğ		Q
δ	Ì	Õ
ä	١,	ì
ě	3	ĭ
7		Š
Ę	i	Š
Š		``
Ē		Ö
ŧ		ò
Ě	(	8
4		ġ
٠.	9	S
Š	2	Š
Ž		Ş
		~
Š	Ĭ	
ž	Ĭ	Ē

3		<b>3</b>	
-	4	-	-7
	7		
Ţ	(	77	
٠,	~		<b>7</b>

WHEN USING THE UNITORITY WAS IN THESE TO THE OF WATER TOURS THAMBERIAN INTHAMORINA TO THAMPRIAN PARTITIONS

OFFICE OF SOUD AND HAZARDOUS WASTE A	MANAGEMENT :	-		સં <i>વોદો</i> ના
P.O. Box 7035	4.4		ا ومعدد	St Chibitist
Indiananolis, IN 46207-7035				

		MAZARDO E MANIFES	JUS T	ienerator's US E	M D No. administrations	Document N	310 7.2	Page 1 Informe		eded areas eral law, bu e required b
	Generator's	Name and Mailing	Address	JUNUS		acond	To A		uneri Number	
1	2 999E 16	Industries (CONTACE)	ned in cert	niay be read	ent of the generator	norized ag	tus	VA visco 1	7917	83 (4)
	DOME	a Grove Ti	60515	er who will to	the lift transport	numberschild	oi 🔀			
ž	2 Timusbouse	T Company Name	e Continuatic	rmation on th	U. Carlo E. S. D. Levillera. O	each additi	) 1: Mar			. 31.ಕಡಿ.ಕಿ. ಆ ಕ್ರಾಂತ ಕ್ಲಿ ಆತ
		2 Company Name			1. 1) 1 4 5 5 5 L. Use EPA ID Number	371	5 별		13-12-5	
					Class and I.D. numb		TIE D			
1 -	-, · · · ·	The state of the s			).''' Use EPA ID Number	4	3	SUPPLY F	arani.	,
รถ เ		un Chemical th. IN 463		reviation fiat	the appropriate abl	vlaste an	rto.	7075	<del>, 20</del> 2-10-10-10-	1999 - 1999 - 1999
Ľ	· Critic				1011636		2	19.20		
1	1. US DOT De	ecription (including	Proper Shipping		THIS INCHES TO CONTINUE (THE CONTINUE C	12. Cont	Type	13. Total Quantity (s)	Unit Wt/Vol.	יי פאנבונגי
•			oden boxes	CVY-VVO	U-Tank cars			ะสามาย กระวง/	-WC	
ŀ		or CEN-A U Icrosthylen		CF-Fibe B4-Bac	T-Dump truck Y-Cyfinders		0	berboard/plas		
<b>a</b>		<b>10</b>				1-2	edinos	ty of waste de		المائدة
			•		w) for the unit of mea		Timer	abbreviation	shq:nk.	
a	<u> </u>		-1/	dno sorupil) en	e II - Units of Mossu		7-7 = Fc			
				ons (liquids o	G = Gall	grams			X 2	
1	11 (K-17-17-18)		T in the	s (2,000 lbs )		Elatent ac	_		1 324	
. ا	used the w	than hishway is			ale the certification s	112	4.5	ust read sico	iotay	
			in the space		e mode Trail, weier, o		الم فينح		· chr	
t.	ومعر السياسين العام	مىلىنىيىدۇلەت الىلىدىدۇ لەپ دائى			海绵 医海绵	1 32-5		المرابعة المستادات		
7										
Į.	S. Street Harr	ding instructions and	Additional Inform	retion						:
			The second second					poropriate EPA		
	\$ vqo	:able) and mail C	tate (if applic	continuent	ach and mail Copy 2 nd mail Copy 2 to th	6 ard ceu Copy 6 a	Copy Retain	STATE STATE:	KATCH IN RATOR OL	GENI GENI
- ;	6. GENERATO	R'S CERTIFICATION	l hereby decie	re that the conf	ante of this consignment	are fully and	accura	tely described abo	Ma Diversi	hal at 1
-1-	proper ships according to	ping name and are to applicable interna	clavelined, pack itional and natio	ed, marked, and one! government	er l'e ci ere bne beledel 'i'il Cigary, anoiteluger	type of pr	aseá <u>id</u> Ios cou	CERTIFICATION OF STREET	S TO TRAF	NOTÎ DUF
1			stor, I certify th	et   have a pro	gram in place to reduce	the volume	and tox	icity of waste ger	rereled to the	degree I ha
	determined	rge quantity generally be be economically	y practicable as	nd that I have a	elected the practicable m	nethod of tre	etment,	storage, or dispo		
	which minin	mizes the present a	and future three	at to human her	alth and the environment method management method	OR If I am	a amali	me and that I can	or, I have mad efford.	<u> </u>
	which minim effort to min Printed Typ	mizes the present a inimize my waste go ped Name	and future three eneration and se	at to human her	illh and the environment method size Management method size Signature	OR, If I am	a amali	me and that I can	or, I have mad	Deta
	which mining offers to min	mizes the present a inimize my waste go ped Name	and future three meration and se	at to human her elect the best w	alth and the environment method management method	OR II I am I that is avai	a amali	me and that I can	or, I have made efford.	<u> </u>
	inhich minir effort to min Printed/Tyr 17. Transporter / Printed/Tyr	misse the present inlinitis my waste ge ped Neme  A Acking Medicini ped Name	and future three meration and se	at to human her slect the best w	site and the environment site management method Signature  Signature  Signature  Signature	OR II I am I that is avai	a amali	quantity general me and that I can	or, There made efford.    Month	19/13
	which mining offers to min	mizes the present inimize my waste ge Acting/viedgement of Acting viedgement of Acting viedge	ond future three meration and se	of to human his slock the best w	Signature  Signature  Signature  Signature	OR II I am I that is avai	a amali	me and that I can	or, There made efford.    Month	1 2 / 2 2 / 2 / 2 2 / 2 / 2 / 2
	printed for the file of the fi	misse the present in implication my waste go ped Name  Acting/integration is currently in the calculation of the calculation is calculated as a calculation of the calcul	ord fluture three meretion and se	of to human his sleet the best w	Signature  Signature	OR, I I am that is ever	atmall to	quantity general me and that I can me and that I can provide the second of the second	Month	
T ER	which mining offer to min printed/Type Printed/Type 19 Printed	minute the present animits my waste go ped Name  Actor/wedgement ped Name  2 Actor/wedgement ped Name  2 Actor/wedgement ped Name	ord future three meration and accompany of Recognit of Manager of	at to human had aloct the best we served with the best we served a with the best we served a wind a served a wind consequently the consequentl	Signature	OR II am that is available or the control of the co	a amel hable to	me and that I can me and that me and that me and the can me and the c	Moral	207/30
T ER	which mining offer to min printed/Type 17. Transporter Printed/Type 19. Discrepance 19. Discre	minute the present animits my waste go ped Name  Acting/wedgement ped Name  2 Actonowedgement ped Name  2 Indication Space	region and security of the control o	to human his sheet we had be seen as the s	nemicrature of the discontinuous content of the con	described to the control of the cont	scarw	entity general me and that I can me and that I can with a construction of the construc	Moral	A CANA CANA CANA CANA CANA CANA CANA CA
	Printed/Tyr  17 Transporter  Printed/Tyr  18 Transporter  Printed/Tyr  19 Discrepance  ore	minimize the present inimize my waste ge pad Name  Acknowledgement pad Name  2 Acknowledgement pad Name  2 Acknowledgement pad Name  3 Acknowledgement pad Name  4 Indication Space  5 Indication Space  5 Indication Space	ord inture three persons of the pers	and to a number of the base of	enteriorism ent bes discontraction of the second enteriorism enterio	described and the transfer of	wish	quantity general me and that I can have sometimes and that I can have sometimes and the consideration of the consi	Month  Mo	AUTOUR MENTER OF THE PROPERTY
	Printed/Tyr  17 Transporter  Printed/Tyr  18 Transporter  Printed/Tyr  19 Discrepance  ore	minimize the present inimize my waste ge pad Name  Acknowledgement pad Name  2 Acknowledgement pad Name  2 Acknowledgement pad Name  3 Acknowledgement pad Name  4 Indication Space  5 Indication Space  5 Indication Space	ord inture three persons of the pers	and to a number of the base of	maniorism of bin discontract of the contract o	described of the control of the cont	school of the state of the stat	me and that I can me and the sample of the me and the sample of the me and the waste	Month of the Man Andrews Andre	AUTOUR MANAGEMENT OF THE PROPERTY OF THE PROPE
	orlich minde effort to mie Printed/Typ 17. Transporter / Printed/Typ 19. Discrepancy of the printed t	ministe the present in implies my waste ge pad himpe Acting which pad himpe Acting which is not a part of the part of the pad him and the pad	of the property of the propert	in the part of the	maniorism of bin discontract of the contract o	described of the control of the cont	services of the control of the contr	epresentative and track of the sentative and track of the sphance of the sphance of the sentative and tSD facilities of the waste of the state of the waste of the state of the state of the state of the sphance of the	Mond Mond Mond Mond Mond Mond Mond Mond	A CONTROL OF THE CONT
A LANGE OR TER	orlich minde effort to mie Printed/Typ 17. Transporter / Printed/Typ 19. Discrepancy of the printed t	minimize the present in imministe my waste ge ped hime  Acting/redgement  Acting/red	of the property of the propert	in the part of the	enteriorism of the discontract of the contract	described of the control of the cont	services of the control of the contr	epresentation of the same same the same same same the same same same same same same same sam	Mond Fred Mond Process of Mond Process of Mond Process of Mond Process of Mondon Process of Mondon Process of Mondon Process of Process of Mondon Process of	A CONTROL OF THE CONT



P.O. BOX 247 COTTAGE GROVE, WI 53527

608/257-5892

FACSIMILE: 608/839-4475

## WASTE PROCESSING CERTIFICATION OF DESTRUCTION

FOR: PARKO, INC (TRICON INDUSTRIES)

WASTE MASTER #: 14232

**AUTHORIZATION #: 56602** 

Manifest #: J336309

This document certifies that the material listed on the referenced/attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

Any material which can not be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditoner.

Authorized Signature

Hydrite Chemical Company

Cottage Grove, WI 53527



## INCOMING SAMPLE ANALYSIS FORM

114 N. MAIN STREET

P.O. BOX 247

COTTAGE GROVE, WI 53527

608/257-5892

FACSIMILE: 608/839-4475

SHEET #: AO75896 LAB #: I310-198 DATE: 10/14/1993

LAB TYPE: QCA

BATCH #:

LOT#: 1310-198

COMPANY: PARKO, INC (TRICON INDUSTRIES)

WASTE MASTER: 14232

AUTH.#: 56602 BRANCH: H

MATERIAL: PERCHLOROETHYLENE RECYCLE

SALESPERSON: BRUEBACH

PART # RWR040SP CUSTOMER # PA1230

## WET CHEMISTRY DATA

DENSITY: 1.529

pH: 5.5

TOTAL DIST: 19/26

% YIELD:

SOLIDS: F

BTU/LB:

1% CHLORIDES:

WATER BY KF:

COLOR

ACID ACC.

FLASH POINT (TCC DEG F):

PCB#: P310-132 PCB RESULTS:

COMMENTS:

TWO DRUMS

ALCOHOLS:

N-BUTANOL ETHANOL ISOBUTANOL METHANOL

WATER ISOPROPANOL

N-PROPANOL

**DILUENTS:** 

HEPTANE HEXANE

MINERAL SPIRITS 100 FLASH NAPHTHA STODDDARD SOLVENT

TOLUENE XYLENE

VM&P NAPHTHA

**CHLORINATED:** 

99.6 % PERCHLOROETHYLENE 1,1,1 TRICHLOROETHANE

FLUOROCARBON

TRICHLOROETHYLENE

**ACTIVES:** 

ACETONE

N-BUTYL ACETATE ETHYL ACETATE ISOBUTYL ACETATE ISOPROPYL ACETATE METHYL ETHYL KETONE METHYL ISOBUTYL KETONE

N-PROPYL ACETATE
GLYCOL ETHER EB
GLYCOL ETHER EEAC
GLYCOL ETHER PM
GLYCOL ETHER PMA
CYCLOHEXANONE
TETRAHYDROFURAN
GLYCOL ETHER EE
GLYCLOL ETHER EM
GLYCOL ETHER EP
GLYCOL ETHER EP

**OTHERS:** 

0.2 %NOS

0.2 %TRACES

OTHER MISC. TRACES

ANALYZED BY SN/MM

TOTAL: 100 %



STATE OF WISCONSIN Chapter 144, Wis. Stats.

Form 4400-66P

State of Wisconsin Department of Natural Resources - Bureau of Solid Waste Mgt. Box 8094

FOR DNR USE ONLY

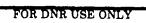
Madison, Wisconsin 53708 Form Approved. OMB No. 2050-0039. Expires 9-30-9 se print or type. Form designed for use on elite (12-pitch) typewriter. Manifest 2. Page 1 1. Generator's US EPA ID No. UNIFORM HAZARDOUS Information in the shaded areas Document No. is not required by Federal law. WASTE MANIFEST TI D0050841234 015 12 1 413 A. State Manifest Document Number WI J202001 3. Generator's Name and Mailing Address Tricon Industries 2325 Wisconsin B. State Generator's ID Downers Grove IL 60515 EMERGENCY CONTING 4. Generator's Phone (708) 964 2330 C. State Transporter's ID 2066 5. Transporter 1 Company Name D. Transporter's Phone 6082571414 Hydrite Chemical Co WID080509359 7. Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's ID F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID Hydrite Chemical Co. H. Facility's Phone 114 N. Main Cottage Grove WI 53527 WID000808824 6082571414 12. Containers 1 Unit Total Quantity 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Type No. Wt/Vol Waste No. a. Waste Perchlorethylene ORM-A UN1897 ,3 DM 1,5,0 F. 0.0 RQ FOO! GENERAT b. c. Ō R d. I. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information 14232X53659 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name & Position Title Day MIKOCZKI TRANSPORTER 1 Acknowledgement of Receipt of Materials Date Day Printed/Typed Name & Position Title Signature ANSPORTER 18. TRANSPORTER 2 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name & Position Title Signature 19. Discrepancy Indication Space A C I L 20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Date Printed/Typed Name & Position Title Signature Month Day

William bound Mornell and

2 - Generator retain

# SEE

State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094



STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66P
10-89 WISCONSIN DEPT. DF NATURAL RESDURCES

Madison, Wisconsin 53708

ase print or type. Form designed for use on elite (12	-pitch) typewriter.		Form	Approv	ed. OMB No.	2050-00	39. Expires 9-30			
UNIFORM HAZARDOUS WASTE MANIFEST	<ol> <li>Generator's US EPA ID No. ILD005084123</li> </ol>	Doc 0 5	fanifest nument No.  2 43	2. Page	111101101		the shaded area i by Federal law			
3. Generator's Name and Mailing Address					te Manifest [					
Tricon Industries 2325	Wisconsin			W		<u> </u>				
Downers Grove IL 60515 4. Generator's Phone (708) 964 2330	EMELGENCY	CONT	ACT	B. Sta	te Generator'	8 ID				
5. Transporter 1 Company Name	6. US EPA I			C. Sta	te Transporte	r's ID	2066			
Hydrite Chemical Co	WID0805	09359			nsporter's Ph	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	08257141			
7. Transporter 2 Company Name	8. US EPA I	D Number		E. State Transporter's ID						
9. Designated Facility Name and Site Address	10. US EPA I	D. Normbon		F. Transporter's Phone G. State Facility's ID						
Hydrite Chemical Co.	IU. US EFA I	D Mumber		G. 316	to racinty 8 i	ا ل				
114 N. Main				H. Fac	ility's Phone					
Cottage Grove WI 53527	WIDOODS	08824		60	8257141					
11. US DOT Description (Including Proper Ship	oping Name, Hazard Class, and I	D Number)	12. Cont		13. Total	14. Unit	1.			
a.	***************************************		N9	Туре	Quantity	Wt/Vol	Waste No.			
Waste Perchlorethylene	e ORM-A UN1897 RQ	F001	3	DM	1,5,0	G	F, O, O,			
b.			(		/					
		···		1						
<b>c</b> .			1	1, 1	1 6 1 1					
d.			+-+-+	<b>┤╶┼</b> ┣						
			111		<u> </u>		1 1 1			
15. Special Handling Instructions and Addition	al Information 14232X53659									
	1423235355									
16. GENERATOR'S CERTIFICATION: I here shipping name and are classified, packed, ma plicable international and national governm sources. If I am a large quantity generator, I degree I have determined to be economically available to me which minimizes the present	rked, and labeled, and are in all re- nental regulations and according also certify that I have a program y practicable and I have selected t and future threat to human he	spects in pr to the requ in place to the practica lth and the	oper condi- uirements reduce the able metho- environm	tion for t of the W volume d of trea ent;	ransport by hi isconsin Depa and toxicity of tment, storag	ighway artment i waste :	according to ap- c of Natural Re- generated to the			
OR, if I am a small quantity generator, I he select the best waste management method	ave made a good faith effort to n that is available to me and that i	inimize my can afford	waste ger	eration	and	,	Date			
Printed/Typed Name & Position Title	Foremen Signature	1/2	To.	7/2			Month Day Ye			
	eceipt of Materials						Date			
17. TRANSPORTER 1 Acknowledgement of R. Printed/Typed Name & Position Title  MIKE SWADER  18. TRANSPORTER 2 Acknowledgement of R. Printed/Typed Name & Position Title	ORIVER Signature	the s	hos	ler			Month Day Y			
18. TRANSPORTER 2 Acknowledgement of R	eceipt of Materials						Date			
Printed/Typed Name & Position Title	Signature					1	Month Day Yo			
19. Discrepancy Indication Space		<del></del>		<del></del>	, .					
20. FACILITY OWNER OR OPERATOR: Cer noted in Item 19.			<u> </u>	<del></del> .	•					
20. FACILITY OWNER OR OPERATOR: Cer noted in Item 19.	tification of receipt of hazardous	materials c	overed by	this mai	ifest except a	is				
	Signature				<del></del>		Date Month Day Ye			
rinted/Typed Name & Position Title	Diguavure									
DA Force 9700-22 (Roy 0-98) Provious editions are	<del></del>									

## SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6. STATE OF WISCONSIN

WISCONSIN DEPT OF NATURAL RESOURCES

STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 12-9

Rev. 12-91

State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Madison, Wisconsin 53708

FOR DNR	USE ONLY	

Ple	print or type. Form designed for use on elite (1	2-nitah) temampitan	-		Form /	\ nn=01	ed. OMB No. :	2050-0	090 Evaia				
- ue							<del></del>		- Expir	es 9-30-92			
4	UNIFORM HAZARDOUS	1. Generator's U		Dogum	ont No	2. Pag	1 Intoitue		the shad				
	WASTE MANIFEST	11.0005084	1124	1:0:	1 2 3	1 of	1 is not i	equire	d by Fede	ral law.			
Н	3. Generator's Name and Mailing Address				- I	A. State Manifest Document Number							
	Tricon Industries 2325 W	isconsin			L	WI J336309							
	Downers Grove IL 60515				Γ	B. State Generator's ID							
	4. Generator's Phone (708) 954 033	ß											
	5. Transporter 1 Company Name		6. US EPAJDA	umber		C. Sta	te Transporte	r's ID	13- N				
H	Hydrite Chemical Co.		2	12	F	D. Transporter's Phone 6082571414							
	7. Transporter 2 Company Name		8. US EPA ID N	lumber		E. State Transporter's ID 3350							
	Herman Bos.		NEDOSGO	51915	- 1	<del></del>							
	9. Designated Facility Name and Site Address	38	10. US EPA ID N			F. Transporter's Phone (-30) - 230 - 155:  G. State Facility's ID							
ı	Hydrite Chemical Co.				ŀ	650 BS1-051915							
	114 N Main St.				f		cility's Phone		·.				
	Cottage Grove WI 53527		WID000808	824	ľ	1.00	10825714	3 2 7 7 7 1 3					
			1		12. Contai		13.	14.	1	Ι.			
	11. US DOT Description (Including Proper Sh	ipping Name, Hazo	ard Elass, and ID N	umber)	No.	Туре	.Total Quantity	Unit Wt/Vol					
1	AGS	11 44119	7 25.11					1		2/4.51			
Ġ	Maste Perchlorethylane.	DON A HN-1	970 D /F	500	1 2	MD	1100	G	F. O	0 1			
E	b.									1. A. V.			
N E				1		,	1 1 1 1	1					
R	c.						<del></del>			1			
T				1	!	, 1	1 1 1 1	Į.		1 12			
R	d.						<del></del>			1.7			
ı				ŀ		,	1 1 1 1	Ì	Sap. 4				
	Additional Descriptions for Materials Listed	Above That	AMERICA .	4486	A (22.3)	K. H	hdling Codes	lới We	stes Liste	d Above			
1								102 : 1	24.	7.0			
1					17.5	330		15 m					
	15. Special Handling Instructions and Additio	nal Information		,		<u> </u>		<u></u>					
1	_												
	14232M56602	300	らぶるりだし										
1													
	16. GENERATOR'S CERTIFICATION: I her	reby declare that th	he contents of this o	onsignmer	t are ful	y and	accurately des	cribed	above by	ргорег			
	shipping name and are classified, packed, n plicable international and national givern	arked, and labeled	, and are in all respec	cts in prop	er conditi	on for	transport by hi	ghway	according	to ap-			
	sources. If I am a large quantity generator,	I also certify that I	I have a program in 1	place to rec	luce the v	rolume	and toxicity of	waste	generated	l to the			
	degree I have determined to be economica available to me which minimizes the prese	lly precticable and	I have selected the	procticable	a mathad	of tre	atment, storag	e, or d	isposal cu	rrently			
1	· <b>%</b>							-					
	OR; if I am a small quantity generator, I select the best waste management method	have made a good	faith effort to minir	nize my wa	aste gene	ration	and		1,5-4				
	select the best waste management method	t that is available t	w me and that I cal	n anord,					D	ate			
	Printed/Typed Name & Position Title		Signature	4	4	7		:	Month 1	Day Year			
*	X 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		1	4.:	Market	1.			1/1	144			
Ţ	17. TRANSPORTER 1 Acknowledgement of 1	Receipt of Materia	la .	-		$\geq$		344	ds D	ate			
A	Printed/Typed Name & Position Title	è	Signature	-5		بنستند	ARREN SECTION AND AND AND AND AND AND AND AND AND AN		Month 1	Day Year			
2	MINNIL SEX, OFER IN L	)k_ U & 2		المتكنوسيت	مر بند. نیمه	سستنور		.7	(0)	119=			
TRANSPORTE	18. TRANSPORTER 2 Acknowledgement of	als						Date					
T	Printed/Typed Name & Position Title	2 800	Signature		V	-			Month	Day Year			
R	Theon Barragast	Dinom	8 5	مر~~	· - X				401	n 3 9 3			
	19. Discrepancy Indication Space			7									
							•						
		<u> </u>	<u> </u>				<u> </u>						
	). FACILITY OWNER OR OPERATOR: Co	ertification of recei	pt of hazardous ma	terials cov	ered by t	his ma	nifest except a	18					
	noted in Item 19.	<u> </u>		1					D	ate			
	ed/Typed Name & Position Title		Signature	17			•		Month	Day Year			

**Hour Assistance Telephone Number** 

'N RAUKIN WHYELICESE 700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution

1 - Generator send to Wis. DNR 2 — Generator retain

4 - Facility retain

5 - Facility send to Generato:

1,616,319



STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 12-91

State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Madison, Wisconsin 53708

1	OR	DNR	USE	ONLY

3 print or type. Form designed for use on elite (	12-pitch) typewriter.	Form	Approve	d. OMB No.	2050-00	39. Expires 9-30-9		
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page of	1 THIULIUS	tion in	the shaded areas d by Federal law.		
3. Generator's Name and Mailing Address  TRICON INDUSTRIES  2325 WISCONSIN P  4. Generator's Phone ( )	owners whom IL b	0515	B. Sta	te Manifest I	544			
5. Transporter 1 Company Name	6. US EPA II	Number	C. Stat	te Transporte				
7. Transporter 2 Company Name	8. US EPA II	Number		nsporter's Ph te Transporte				
7. Transporder 2 Company Name	0. 00 ET X 12	/		nsporter's Ph				
9. Designated Facility Name and Site Addre	ss 10. US EPA II	Number	G. State Facility's ID  H. Facility's Phone					
						Star Star		
11. US DOT Description (Including Proper St	nipping Name, Hazard Class, and ID	Number) 12. Cont No.	ainers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.		
a.				المعادلات		7 1 1 1 2		
b.				1 1 1 1 - 1 -				
c.				1 1 1 1				
<b>d</b> . ,						4.49.03.53		
15. Special Handling Instructions and Additi	onal Information					<u> </u>		
16. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, i plicable international and national gover sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence. OR, if I am a small quantity generator, I select the best waste management metho	marked, and labeled, and are in all res nmental regulations and according in , I also certify that I have a program ally practicable and I have selected the ent and future threat to human heal have made a good faith effort to mi	pects in proper condi- to the requirements in place to reduce the he practicable metho th and the environm nimize my waste ger	tion for to of the Wa volume and of treatent;	ransport by hi isconsin Depa and toxicity of tment, storag	ghway rtment waste	according to ap- t of Natural Re- generated to the sposal currently		
Printed/Typed Name & Position Title	Signature					Date Month Day Yee		
Frinced Typed Name & Position Title	Signature	in the state of th		J.		Day 1		
17. TRANSPORTER 1 Acknowledgement of	Receipt of Materials			<del></del>		Date		
Printed/Typed Name & Position Title	Signature	A. B. C.				Month Day Yes		
1 1 15 VI VI VI VIVIE		570 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·					
18. TRANSPORTER 2 Acknowledgement of Printed/Typed Name & Position Title	Signature	A L	1/			Date Month Day Yes		
19. Discrepancy Indication Space	Mux that	in les	4		. ::	VVIX		
15. Discrepancy indication Space								
20. FACILITY OWNER OR OPERATOR: C noted in Item 19.	ertification of receipt of hazardous r	naterials covered by	this man	ifest except a	S	Date		
cinted/Typed Name & Position Title	Signature	4,	· M		1	Month Day Yes		
PA Form 8700-22 (Rev. 9-88) Previous editions	are obsolete. Copy Distribution	1: 1 — Generator se	and to Wis.	DNR 4	- Faci	lity retain		

Emergency 24 Hour Assistance Telephone Number In Wisconsin (608) 266-3232

2 — Generator retain
3 — Facility send to Wis. DNR COPY 5 - Conies 1 & 3 mail to Wie DNR at above address

5 - Facility send to Generate 6 - Transporter retain



114 N. MAIN STREET
P.O. BOX 247
COTTAGE GROVE, WI 53527
608/257-5892

FACSIMILE: 608/839-4475

WASTE PROCESSING
CERTIFICATION OF DESTRUCTION

FOR: PARKO INC. (TRICON INDUST.)

WASTE MASTER #: 14232

**AUTHORIZATION #: 64069** 

Manifest #: J335440

This document certifies that the material listed on the referenced/attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

Any material which can not be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditoner.

Authorized Signature

Hydrite Chemical Company

Cottage Grove, WI 53527



## INCOMING SAMPLE ANALYSIS FORM

P.O. BOX 247

COTTAGE GROVE, Wi 53527

608/257-5892

FACSIMILE: 608/839-4475

SHEET #: AO89809 LAB #: I409-352 DATE: 9/16/1994

LAB TYPE: QCA BATCH #:

LOT#: I409-352

COMPANY: PARKO INC. (TRICON INDUST.)

WASTE MASTER: 14232

AUTH.#: 64069 BRANCH: H

MATERIAL: PERCHLOROEHYLENE RECYCLE

SALESPERSON: BRUEBACH

PART # RWR040SP CUSTOMER # PA1230

WET CHEMISTRY DATA

DENSITY: 1.5

pH: 5

TOTAL DIST: 46/50

% YIELD:

SOLIDS: F

BTU/LB:

% CHLORIDES:

WATER BY KF:

COLOR ACID ACC.

FLASH POINT (TCC DEG F):

PCB#: P409-155 PCB RESULTS:

COMMENTS:

4 DRUMS

NO INCOMING SPECS.

**ALCOHOLS:** 

N-BUTANOL ETHANOL ISOBUTANOL METHANOL

0.1% WATER

ISOPROPANOL

N-PROPANOL

**DILUENTS:** 

HEPTANE HEXANE

MINERAL SPIRITS 100 FLASH NAPHTHA STODDDARD SOLVENT

0.5 % TOLUENE

0.1 % XYLENE

VM&P NAPHTHA

CHLORINATED:

METHYLENE CHLORIDE 97.8 % PERCHLOROETHYLENE

1,1,1 TRICHLOROETHANE

**FLUOROCARBON** 

0.1 % TRICHLOROETHYLENE

**ACTIVES:** 

0.2 % ACETONE

N-BUTYL ACETATE

0.1 % ETHYL ACETATE ISOBUTYL ACETATE

ISOPROPYL ACETATE

0.4 % METHYL ETHYL KETONE

METHYL ISOBUTYL KETONE N-PROPYL ACETATE

GLYCOL ETHER EB

GLYCOL ETHER EEAC GLYCOL ETHER PM GLYCOL ETHER PMA

CYCLOHEXANONE

TETRAHYDROFURAN GLYCOL ETHER EE

GLYCLOL ETHER EM

GLYCOL ETHER EEP

GLYCOL ETHER EP

OTHERS:

0.5 %NOS (HB)

0.2 %OTHERS

ANALYZED BY MS/CN

TOTAL:

100 %



Emergency 24 Hour Assistance Telephone Number

(608) 266-3232

In Wisconsin

COPY 5-

## State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094

Madison, Wisconsin 53708

3 - Facility send to Wis. DNR

Copies 1 & 3 mail to Wis. DNR at above address.

6 - Transporter retain

FOR DNR USE ONLY

STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 10-9 Rev. 10-93 ALL COPIES MUST BE LEGIBLE,

PLEASE designed for use on elite (12-pitch) typewriter.	ETYPE	**************************************	For		OMB No.	2050-00	39. Expires 9-3				
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US E	PA ID No.	Manifest Document No	2. Page 1	Inform	ation in	the shaded are				
3. Generator's Name and Mailing Address	S	Site Location If Dif	ferent	A. State Manifest Document Number WIJ492298  B. State Generator's ID							
4. Generator's Phone ( )											
5. Transporter 1 Company Name	<b>6.</b>	US EPA ID Num	iber		Transporte		D :				
7. Transporter 2 Company Name		US EPA ID Num	ber	D. Transporter's Phone E. State Transporter's ID							
1 High to	1	ILD 75491	3466								
9. Designated Facility Name and Site Address	10.	US EPA ID Num	ber	G. State	Facility's	ID					
			1. 3	H. Facili	ty's Phone						
11. US DOT Description (Including Proper Sh	ipping Name, Hazard (	Class, and ID Num	beri 12. Con		13. Total Quantity	Unit Wt/Vol	I. Waste No.				
<b>a.</b>		No.			1.4						
) X	900	M-74 Fre	<del>,                                    </del>	1-1-1-1	1105	╄					
		10019 11601	<u> </u>	<del>                                     </del>	111						
c.					111						
3   d.						} }					
15. Special Handling Instructions and Addition	nal Information					· · · · · · · · · · · · · · · · · · ·					
16. GENERATOR'S CERTIFICATION: I her shipping name and are classified, packed, in plicable international and national govern sources. If I am a large quantity generator, degree I have determined to be economica available to me which minimizes the prese OR, if I am a small quantity generator, I	narked, and labeled, and mental regulations and I also certify that I have lly practicable and I have not and future threat to have made a good faith	l are in all respects in according to the reaprogram in place we selected the pray human health and a effort to minimize	in proper cond requirements se to reduce the acticable methal the environs ony waste go	lition for trai of the Wisc e volume and od of treatm nent;	nsport by he consin Depoil toxicity of the contract to the con	ighway a artment I waste s	according to ap of Natural Re renerated to the				
select the best waste management method	that is available to m	e and that I can af	ford.		<del></del>	[	Date				
Printed/Typed Name & Position Title	S	ignature		مسارع بالمدارج			Month Day				
17. TRANSPORTER 1 Acknowledgement of	Receipt of Materials	O STORY OF		The same that the same			Date				
Printed/Typed Name & Position Title		lignature	<u> </u>	<del> </del>	···		Month Day				
18. TRANSPORTER 2 Acknowledgement of			<u> </u>	1	,		Date				
Printed/Typed Name & Position Title	EINER S	lignature -	18	H			Month Day 다기이하기				
19. Discrepancy Indication Space /	K				•						
20. FACILITY OWNER OR OPERATOR: Conoted in Item 19.	ertification of receipt of	i hazardous materi	als covered b	y this manife	est except a	18	Date				
Printed/Typed Name & Position Title WAY	rehouse E	Signature	bh	Bank	^		Month Day				
PA Form 8700-22 (Rev. 9-88) Previous editions a	re obsolete. Co	py Distribution:	l — Generator 2 — Generator	send to Wis. D			ity retain ity send to Gener				



## STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 10-9

Rev. 10-93

## State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094

Madison, Wisconsin 53708

FOR DNR USE ONLY

ALL COPIES MUST BE LEGIBLE, DI FACE TVDE

	FLEASE	IIFE				<u> </u>							
F	lesigned for use on elite (12-pitch) typewriter.			Fo	rm Appro	ved. OMB No.	2050-00	)99. Exp	ires 9	·30-9			
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's I	IS EPA ID No. 084/24	Manifest Document N O O O	2. Pa 3 of	_ , ,	nation ir require	the sh	aded a deral l	reas aw.			
	3. Generator's Name and Mailing Address  TRICON INDUSTRIES, INC.  2325 WISCONSIN AVE DOWNERS GROVE, IC. 60515  4. Generator's Phone (208) 964-2330  Site Location If Different WI. 1492621  B. State Generator's ID  1. 0430305017												
	4. Generator's Phone (208) 964-23:	30											
	5. Transporter 1 Company Name		6. US EPA ID N T4D 984 91	umber	C. S	C. State Transporter's ID 0096							
П	HYDRITE CHEMICAL CO.					D. Transporter's Phone 708 - 534 - 949							
	7. Transporter 2 Company Name		8. US EPA ID N	umber		tate Transport ransporter's P							
	9. Designated Facility Name and Site Address HYDRITE CHEMICAL Co.		10. US EPA ID N	umber		tate Facility's							
	114 NORTH MAIN ST. WID 600808824 H. Facility's Phone 608-257								14				
Н			and Class and ID Ma	12. Co	ntainere	13. Total	14. Unit		I.				
	11. US DOT Description (Including Proper Ship	ping Name, Flazo		110.	Туре		Wt/Vol	Was	te No.				
G	RQ WASTE TERRACHIONE	THYLENE	ERG74 FO		3 DM	0,011,51	G.	FIC	0 ر				
NE	b.							1	1	1			
GENERATOR	c.	·				1 1 1			1				
R	d.					, , , ,		_					
יו	Additional Descriptions for Materials Listed	Ahove			KH	andling Codes	for We	atos T.ic	ted Al	hove			
	DO39 DOZZ  15. Special Handling Instructions and Addition  EMERCINCY # 788-964-2330	al Information	AUTHORIZAT.	in # 14	232-	H-715	38		·				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described ab shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway ac pilicable international and national governmental regulations and according to the requirements of the Wisconsin Department of sources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste ge degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disp available to me which minimizes the present and future threat to human health and the environment;  OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									ng to s tural F ed to t	ip- Re- :he			
	Printed/Typed Name & Position Title		Signature				-	Month	Day	Yea			
<u> </u>	17. TRANSPORTER 1 Acknowledgement of R	eceint of Maradal							Date				
R	Printed/Typed Name & Position Title	0.	Signature		<del>/ )</del>			Month	Day	Year			
N S	JOHN LORE	VRIVER	1	- 02	<u> </u>			7	18	23			
Į	18. TRANSPORTER 2 Acknowledgement of R	eccipt of Material							Date				
TRANSPORTER	Printed/Typed Name & Position Title		Signature					Month	Day	Yea			
۴	19. Discrepancy Indication Space		<u> </u>					للللة					
FACI									<u></u>				
ļ	<ol> <li>FACILITY OWNER OR OPERATOR: Cer noted in Item 19.</li> </ol>	tification of receip	pt of hazardous mate	erials covered l	y this m	anifest except	8.8						
T				<del></del>	L			20	Date	<del></del>			
Y	Gary Kauple	/stel	Signature Ju	1 K	uy	su	<u>-</u>	Month	18	25			
E	PA Form 8700/22 (Rev. 9-85) Previous editions are	obsolete.	Copy Distribution:	// - Generator	send & W	is. DNR	4 — Faci	lity reta	in				

Emergency 24 Hour Assistance Telephone Number In Wisconsin (608) 266-3232

COPY 2-

2 - Generator retain 3 - Facility send to Wis. DNR Copies 1 & 3 mail to Wis. DNR at above address. 4 — Facility retain 5 - Facility send to Generate

6 - Transporter retain



Rev. 10-93

## State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094

Madison Wisconsin 53708

FOR DNR USE ONLY

## STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 10-9 ALL COPIES MUST BE LEGIBLE,

DEFT. OF NATIONAL RESIDENCES	PLEASE	E TYPE	1414	Ciscii, Wia	KONSIN J	3700						
designed for use on elite	(12-pitch) typewriter.				Form	Approv	ed. OMB No.	2050-00	39. Expires	9-30-9		
UNIFORM HA		1. Generator's U		Man Docum	ifest ent No.	2. Pag of	IIIIOI		the shaded d by Federa			
3. Generator's Name at		واصلطفت وشنشا كسيرا	Site Location If D			A. Ste						
TRICON I	ABUSTRIES, I	NE					I J55		4			
2325 Wis	CONSIN AVE.	1 . W. 12 16 5	Energe, Jan	60515	_	B. State Generator's ID						
4. Generator's Phone	16201 964-73	30				FL. 043030 (17						
5. Transporter 1 Comp			6. US EPA ID No			C. State Transporter's ID						
7. Transporter 2 Comp	any Name		8. US EPA ID No			D. Transporter's Phone 25 5 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6						
HIDRITE CH	· ·	ľ	IL0984918				nsporter's P					
9. Designated Facility		35	10. US EPA ID No				te Facility's		<del></del>			
HYDRITE CA												
114 Noate F	_		WID GOO BOX	121		H. Fa	cility's Phon					
Correct	Copy 14/1 53	777					<u>608 - 2</u>	57-1	1414			
11. US DOT Description	(Including Proper Sh	ipping Name, Hazo	ard Class, and ID Nu	mber)	2. Conta No.	Type	Total Quantity	Ünit Wt⁄vol	I. Waste N	No.		
a.	٠	6.1	411377 8	-11	7		72	$\sqrt{}$				
Sx W1.10	The second	THE YEAR	C. 74 Fac	1	المجالين الم	1.14	2013	4	F1 611	911		
b.					,			1 1				
£					4-4-	-1-						
C.						,			1	ı		
R d.					<del></del>		بليطيطياء	+	<u> </u>			
					1 1		1 1 1 1		1 1 1	_ i.		
J. Additional Description	ns for Materials Listed	Above				K. Ha	ndling Code	for Wa	stes Listed	Abov		
							•					
D039	Dazz								<del></del>			
15. Special Handling In		onal Information	THUR IZATION	1 142	326		25613					
LIVERSENCYFE	1.33 1.764 × 2.730		10 Act   10		4							
] ]		= <b>-</b> #(%)" •			* 1		•					
16. GENERATOR'S CI	CRTIFF ON: I her	rehy declare that the	he contents of this co	netinmen	t are fu	lly and	eccurately de		shove hy nr	roner		
shipping name and s	re classic cked, n	arked, and labeled	and are in all respec	s in page	er condit	iomfor	ransport by	highway	according t	oap-		
plicable internation sources. If I am a lar	ge quantity ator.	mental regulations. I also certify that	and are in all respects and according to the same according to the same appropriate in particle and the same according to the same a	ne require lace to red	ments of	volume	and toxici	waste	generated t	othe		
degree I have determ	mined to be e comica	lly practicable and	I have selected the part to human health a	racticable	e metho	d of trea	tment, std	or di	sposal curre	ently		
								· ·				
select the best wast	quantity generator, I e management method	nave made a good I that is available t	to me and that I can	afford.	iste gen	eration	ane					
Dinted (Done &	Desition Title	<del></del>	Qi-mat-um /			A STATE OF			Month Day			
Printed/Typed Name &		- Facto	Signature	as le	n w	<b>1</b>			Moden Day	y 16 3		
T 17. TRANSPORTER	Acknowledgement of			$\frac{(\vee)}{(\vee)}$	18 100	121	<del></del>		Dat			
Printed/Typed Name &		receipt of Materia	Signature	$U^{-1}$	<del>, , ,</del>	•	10		Month Day			
N I T	/	17. 60		¥	d L		11/10		1/3/	1%		
0 18. TRANSPORTER 2	Acknowledgement of	Receipt of Materia	ls						Dat	e e		
17. TRANSPORTER A Printed/Typed Name &  18. TRANSPORTER 2 Printed/Typed Name &  Control of the c			Signature	1		//	<del></del>		Month Day	y Ye		
# SACEXINE	ER DRIVE	R		Ale	Les	hte	<u> </u>		112/11	8191		
19. Discrepancy Indica			•									
F							, ,					
F A C C L ACT ON A C L ACT ON A C C L ACT ON A C L AC			<del></del>		<del></del>		<del></del>					
20. FACILITY OWNE	R OR OPERATOR: Ce	ertification of recei	pt of hazardous mate	erials cove	ered by	this ma	nifest except	88				

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete. Emergency 24 Hour Assistance Telephone Number

Hrunjo

noted in Item 19.

Printed/Typed Name & Position Title

Copy Distribution:

Signature

1 - Generator send to Wis. DNR 2 - Generator retain

4 - Facility retain 5 -- Facility send to Genera

3 - Facility send to Wis. DNR

6 - Transporter retain

Date





114 N. MAIN STREET
P.O. BOX 247
COTTAGE GROVE, WI 53527
608/257-5892
FACSIMILE: 608/839-4475

## WASTE PROCESSING CERTIFICATION OF DESTRUCTION

FOR: FINISHING EQ.(TRICON INDUST.)

WASTE MASTER #: 14232

**AUTHORIZATION #: 85613** 

Manifest #: J551744

This document certifies that the material listed on the referenced/attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

Any material which can not be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditioner.

**Authorized Signature** 

Hydrite Chemical Company

Cottage Grove, WI 53527



# Documentation Verification

## INCOMING SAMPLE ANALYSIS FORM

114 N. MAIN STREET

P.O. BOX 247

COTTAGE GROVE, WI 53527

608/257-5892

FACSIMILE: 608/839-4475

SHEET #:

LAB #: 1612-528 DATE: 12/20/1996

LAB TYPE: QCA

BATCH #:

LOT #:

COMPANY: FINISHING EQ. (TRICON INDUST.)

WASTE MASTER: 14232

AUTH.#: 85613

BRANCH: K

MATERIAL: PERCHLOROETHYLENE RECYCLE

SALESPERSON: GRISWOLD

PART # RWR040SP CUSTOMER # FI1201

WET CHEMISTRY DATA

DENSITY: 1.59

8 :Ha

TOTAL DIST: 43/50

% YIELD:

SOLIDS: ...

BTU/LB:

% CHLORIDES:

WATER BY KF:

COLOR

ACID ACC.

FLASH POINT (TCC DEG F):

PCB #: P612-211

**PCB RESULTS:** 

COMMENTS:

6 DRUMS

ALCOHOLS:

**N-BUTANOL** ETHANOL **ISOBUTANOL** 

**METHANOL** 

WATER

ISOPROPANOL

N-PROPANOL

DILUENTS:

**HEPTANE** 

HEXANE

MINERAL SPIRITS 100 FLASH NAPHTHA STODDDARD SOLVENT

TOLUENE

**XYLENE** 

VM&P NAPHTHA

CHLORINATED:

METHYLENE CHLORIDE 99 % PERCHLOROETHYLENE

1,1,1 TRICHLOROETHANE

**FLUOROCARBON** 

**TRICHLOROETHYLENE** 

**ACTIVES:** 

ACETONE

N-BUTYL ACETATE ETHYL ACETATE

ISOBUTYL ACETATE

ISOPROPYL ACETATE

METHYL ETHYL KETONE

METHYL ISOBUTYL KETONE

N-PROPYL ACETATE

GLYCOL ETHER EB

GLYCOL ETHER EEAC

GLYCOL ETHER PM

GLYCOL ETHER PMA

**CYCLOHEXANONE** 

TETRAHYDROFURAN

GLYCOL ETHER EE

GLYCLOL ETHER EM

GLYCOL ETHER EEP

GLYCOL ETHER EP

OTHERS:

1 %OTHERS

ANALYZED BY JC/RF

100 % TOTAL:



## STATE OF WISCONSIN Chapter 144. Wis. Stats. Form 4400-66P

Rev. 10-93

ALL COPIES MUST BE LEGIBLE,

PLEASE TYPE

## State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094

Madison, Wisconsin 53708

FOR DNR USE ONLY	
•	

designed for use on elite (12-pitch) typewriter.		Form Approved. OMB No. 2050-0039. Expires								
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Document No			2. Page 1 Information in the shaded ar is not required by Federal la					
3. Generator's Name and Mailing Address	Site Location If Di	fferent	A. State Manifest Document Number							
TRICON THINKSTRICE, IN	Je.		WI J551/12							
4. Generator's Phone (708) 94.4 - 3	TO ANGRES PROSE THE	سے دسے ہے۔		ate Generator						
4. Generator's Phone (7.8) 44 - 3	C VICEDA ID N	-1		043030						
5. Transporter 1 Company Name	6. US EPA ID Nu			ate Transporte						
HUDRITE CHEMICAL CO.	8. US EPA ID Nu			tate Transporte		28-594 4194				
7. Transporter 2 Company Name	1 · · · · · _									
9. Designated Facility Name and Site Addres	10. US EPA ID Nu	mher .	G S	tate Facility's	ID Z	z-534.9494				
Hypeite Chemiene Co.	10. 05 11 11 110	in Des	G. State Facility 8 1D							
114 North MAIN ST.	10110000000	₹ <b>⋺€</b>	H. F	acility's Phone	<u>:</u>					
CATTAGE TRANS OF THE				1008-25	_	Wid				
		12. Cont	ainers	13.	14.	1.				
11. US DOT Description (Including Proper Shi	pping Name, Hazard Class, and ID Num	nber) No.	Type	Total Quantity	Unit Wt/Vol	,				
a. The liberty to the second	61 Ud. 1897 10	27.7 21.01 <b>4</b>	b m	110 380	J 22	Figini 1				
b.										
	·				<b>↓</b>					
С.	ı					<b>J</b>				
ļ		<del></del>	1		╄—-					
d.	-									
V. Additional Descriptions for Materials Listed	Alam		W U	landing Codes	for We	stes Listed Above				
15. Special Handling Instructions and Addition	nal Information flucture: 2 1.0 n.	J*/4 <b>2</b> 32	H -	18590						
16. GENERATOR'S CERTIFICATION: I her shipping name and are classified, packed, m plicable international and national govern sources. If I am a large quantity generator, degree I have determined to be economical available to me which minimizes the present OR, if I am a small quantity generator, I hereby select the best waste management method	uarked, and labeled, and are in all fespects mental regulations and according to the I also certify that I have a program in piselly practicable and I have selected the program in the and future threat to human health and have made a good faith effort to minimize the made a good faith effort to minimize the made and selected the minimizers.	s in proper condi- e requirements ace to reduce the racticable metho ad the environm ze my waste ger	tion for of the volumed of tre ent;	transport by h Wisconsin Dep e and toxicity o eatment, storag	ighway artmen f waste	according to ap- it of Natural Re- generated to the				
Printed/Typed Name & Position Title	Signature					Month Day Yes				
Carrier sea	The state of the s	1				20 de al en				
	Receipt of Materials					Date				
17. TRANSPORTER 1 Acknowledgement of I Printed/Typed Name & Position Title  18. TRANSPORTER 2 Acknowledgement of I Printed/Typed Name & Position Title  ACFYMACK	Signature					Month Day Yes				
JAHN HADES DRI	WIDE TOWN					08/02/90				
18. TRANSPORTER 2 Acknowledgement of I	Receipt of Materials					Date				
Printed/Typed Name & Position Title	Signature	11				Month Day Ye				
S. ALEXANDEL	Duck	. when				014/013/91				
19. Discrepancy Indication Space										
				·						
20. FACILITY OWNER OR OPERATOR: Ce noted in Item 19.	rtification of receipt of hazardous mater	rials covered by	this m	anifest except	A.S	Date				
rinted/Typed Name & Position Title	Signature	> 11/1		/		Month Day Ye				
Tout August				con		Py 01/91				
PA Form 8700-22 (Rev. 9-88) Previous editions a	re obsolete. Copy Distribution.	1 - Generator se	pd to W			ility retain				
mergency 24 Hour Assistance Telephone Number		2 Generator re 3 Facility send	tain		5 — Fac	ility send to Generat nsporter retain				



114 N. MAIN STREET (53527-9702) P.O. BOX 247 COTTAGE GROVE, WI 53527-0247

OFFICE: 608/257-5892

FACSIMILE: 608/839-4293

## WASTE PROCESSING CERTIFICATION OF DESTRUCTION

FOR: FINISHING EQ.(TRICON IND.)

WASTE MASTER #: 14232

**AUTHORIZATION #: 78590** 

Manifest #: J551712

This document certifies that the material listed on the referenced/attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

Any material which can not be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditioner.

Hydrite Chemical Company

Cottage Grove, WI 53527



## INCOMING SAMPLE ANALYSIS FORM

114 N. MAIN STREET (53527-9702)

P.O. BOX 247

COTTAGE GROVE, WI 53527-0247

OFFICE: 608/257-5892

FACSIMILE: 608/839-4293

SHEET #:

LAB #: 1604-101 DATE: 4/05/1996

LAB TYPE: QCA

BATCH #:

LOT#: 1604-101

COMPANY: FINISHING EQ.(TRICON IND.)

WASTE MASTER: 14232

AUTH.#: 78590 BRANCH: H

MATERIAL: PERCHLOROETHYLENE RECYCLE

SALESPERSON: YARNELLE

PART # RWR040SP CUSTOMER# FI1201

**WET CHEMISTRY DATA** 

DENSITY: 1.57

pH: 7

TOTAL DIST: 47/50

% YIELD: 94 %

SOLIDS: 47

BTU/LB:

% CHLORIDES:

WATER BY KF:

COLOR ACID ACC

FLASH POINT (TCC DEG F):

PCB#: P604-058 PCB RESULTS:

COMMENTS:

4 DR.

ALCOHOLS:

**N-BUTANOL ETHANOL** ISOBUTANOL **METHANOL** WATER

**ISOPROPANOL** 

N-PROPANOL

**DILUENTS:** 

**HEPTANE** HEXANE

MINERAL SPIRITS 100 FLASH NAPHTHA STODDDARD SOLVENT

TOLUENE

**XYLENE** 

VM&P NAPHTHA

CHLORINATED:

METHYLENE CHLORIDE 99 % PERCHLOROETHYLENE 1,1,1 TRICHLOROETHANE

**FLUOROCARBON** 

TRICHLOROETHYLENE

**ACTIVES:** 

**ACETONE** 

N-BUTYL ACETATE ETHYL ACETATE ISOBUTYL ACETATE ISOPROPYL ACETATE METHYL ETHYL KETONE METHYL ISOBUTYL KETONE

N-PROPYL ACETATE GLYCOL ETHER EB GLYCOL ETHER EEAC GLYCOL ETHER PM GLYCOL ETHER PMA CYCLOHEXANONE **TETRAHYDROFURAN GLYCOL ETHER EE GLYCLOL ETHER EM** GLYCOL ETHER EEP

GLYCOL ETHER EP

OTHERS:

1 %OTHERS

ANALYZED BY BL/CN

TOTAL: 100 %

QUALITY . . . In All We Do



In Wisconsin

(608) 266-3232

## STATE OF WISCONSIN

Chapter 144, Wis. Stats. Form 4400-66P

Rev. 5-95

## State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094

Madison, Wisconsin 53708

3 - Facility send to Wis. DNR

Copies 1 & 3 mail to Wis. DNR at above address.

6 - Transporter retain

FOR DNR USE ONLY

## ALL COPIES MUST BE LEGIBLE, PLEASE TYPE

For designed for use on elite (12-pitch) typewriter, Form Approved. OMB No. 2050-003								<b>39</b> . Expir	es 9-30-9			
<u></u>	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's U ZLD 005		Docu	mifest ment No.	2. Pag of	******		in the shaded areas red by Federal law.			
	3. Generator's Name and Mailing Address TRICON TNDHSTRIES, INC.	<u> </u>	Site Location If Different				A. State Manifest Document Number WI J125303					
	2325 WISCONSIN AVE. 4. Generator's Phone (636) 964-23	Doublens G	ROJE, I. 6	0515	•	B. State Generator's ID						
	5. Transporter 1 Company Name	7	6. US EPA ID No	ımber		C. State Transporter's ID 0096						
	HYDRITE CHEMICAL CO		ILD 984781	880		D. Transporter's Phone \$47-540-5811						
	7. Transporter 2 Company Name		8. US EPA ID No	ımber		E. State Transporter's ID						
						F. Transporter's Phone						
	9. Designated Facility Name and Site Addres	s	10. US EPA ID No	ımber	,	G. State Facility's ID						
	114 NORTH MAIN ST.	<i>.</i> .	WID 00080	882	4	H. F	cility's Phone	Phone				
	COTTAGE GROVE, WI 53		12. Contain				13. Total	57-/	1414 I.			
	11. US DOT Description (Including Proper Shi					Туре	Total Quantity	Wt/Vol	Waste			
G	B. WASTE TETRACHLORETH b.	YUENE EK	GTV FOOL	E.II	01013	DIM	00/15	<i>(G.</i>	ں اسیم	01		
GENER	b.				1 1	ı	1111		<u> </u>	11		
A	<b>c</b> .		ν.									
O R	<u></u>	· · · · · · · · · · · · · · · · · · ·			<del>-                                    </del>					<u> </u>		
1			· · · · · · · · · · · · · · · · · · ·									
Ļ	J. Additional Descriptions for Materials Listed	Above				К. Н	andling Codes	for Wa	stes Liste	d Above		
	15. Special Handling Instructions and Additional Information AUTHURIZATION #14232-K-93905  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according international and national governmental regulations and according to the requirements of the Wisconsin Department of sources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generator. I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or dispersional available to me which minimizes the present and future threat to human health and the environment;									to ap- ral Re- to the		
	OR, if I am a small quantity generator, I h select the best waste management method	that is available t	o me and that I can	afford.					_	ate		
ļ	Printed/Typed Name & Position Title	ter Helper	Signature	N	Ka	u	24		Month I	Day Ysar		
Т	17. TRANSPORTER 1 Acknowledgement of R		8		<del>,</del>				D	ate		
H.	Princed/Typed Name & Position Title		Signature /	>					Month l	Day Year		
8	DILL BRANDON DRIV	El	Due [	Ken	lon	·						
ę R	18. TRANSPORTER 2 Acknowledgement of R	leceipt of Material					···			ate		
TRANSPORTER	Printed Typed Name & Position Title		Signature						Month !	Day Year		
F A C I L	19. Discrepancy Indication Space	rtification of receip	ot of hazardous mate	orials co	vered by	this ma	nifest except	as	198	7		
}	Printed/Typed Name & Position Title		Signature		<del></del>					ate Day Year		
E	PA Form 8700-22 (Rev. 9-88) Previous editions ar	e obsolete.	Copy Distribution:	1 Ge	nerator sei	nd to W	s. DNR	4 – Faci	lity retain			
_	mergency 24 Hour Assistance Telephone Number			2 Ge	nerator ret	ain		5 — Facil	•	Generato:		

COPY 2-



114 N. MAIN STREET (53527-9702) P.O. BOX 247 COTTAGE GROVE, WI 53527-0247

608/257-5892 FACSIMILE: 608/839-4293

# WASTE PROCESSING CERTIFICATION OF DESTRUCTION

For FINISHING EQ.(TRICON IND.)

WASTE MASTER#:

14232

**AUTHORIZATION#**:

93905

MANIFEST#:

J725303

This document certifies that the material listed on the referenced / attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

Any material which cannot be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditoner.

Authorized Signature
Hydrite Chemical Company
Cottage Grove, WI 53527

QUALITY ... In All We Do



N Butanol **Alcohols** 114 N. MAIN STREET (53527-9702) Ethanol INCOMING SAMPLE P.O. BOX 247 Isobutanol COTTAGE GROVE, WI 53527-0247 ANALYSIS FORM Methanol 608/257-5892 Water FACSIMILE: 608/839-4293 Isopropanol LAB NUMBER: 1710-497 N Propanol DATE: 10/17/97 **Diluents** Heptane LAB TYPE: QCA Hexane LOT NUMBER: Mineral Spirits 100 Solvent COMPANY: FINISHING EQ.(TRICON IND.) Stoddard WASTE MASTER: 14232 Toluene **AUTH NUMBER:** 93905 Xylene DISTRIBUTOR: Κ VMP Naphtha MATERIAL: PERCHLOROETHYLENE RECYCLE **Chlorinated** Methylene Chloride SALESPERSON: STEUCK, DAN 99.5% Perchloroethylene RWR040SP PART NUMBER: 111 Trichloroethane FI1201 **CUSTOMER#** Freon **Actives** Trichloroethylene WET CHEMISTRY DATA Acetone SOLVENT DENSITY: 1.598 N Butyl Acetate 7 PH: Ethyl Acetate Glycol Ether EB TOTAL DIST: 42/50 Glycol Ether EEAC PERCENT YIELD: Isobutyl acetate SOLIDS: Isopropyl Acetate Methyl Ethyl Ketone BTU PER LB: Methyl Isobutyl Keto CHLORIDES: N Propyl Acetate Glycol Ether PM WATER BY KF: **COLOR APHA:** Glycol Ether PMA Tetrahydrofuran **ACID ACCEPTANCE:** Cyclohexanone FLASHPOINT: Glycol Ether EE PCB NUMBER: P710-153 Glycol Ether EM COMMENTS: Glycol Ether EEP 3 DRUMS Glycol Ether EP 0.5% OTHERS Other:

APPROVEDBY QUALITY . . . In All We Do

ANALYSISBY: AI

100.0% TOTAL

### SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6.



## STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P Rev. 10-9

Rev. 10-93

ALL COPIES MUST BE LEGIBLE,

#### State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094 Madison, Wisconsin 53708

FOR DNR USE ONLY

**PLEASE TYPE** 

	ப designed for use on elite (12-pitch) typewriter.		•		Form	Appro	ved. OMB No.	2050-00	)39. Exp	oires 9	-30-94
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's I	US EPA ID No. 084124	Docus OO	anifest ment No.	2. Pag of	imorim		the sh d by Fe		
	3. Generator's Name and Mailing Address TRICON INDUSTRIES, IN	lc.	Site Location If Dif	ferent	!	V	tate Manifest I	843		ıber	
	2325 WISCONSIN AUE. 4. Generator's Phone (630) 964-233	DOWNER!	S GROVE, IL.	60.	515	Te.	ate Generator'	050	17		
	5. Transporter 1 Company Name  HYDKITE CHEMICAL C	_	6. US EPA ID Num 45 98478/	ber		C. St	ate Transporter ransporter's Ph	r's ID	00		811
	7. Transporter 2 Company Name		8. US EPA ID Num	ber		_	ate Transporte ansporter's Ph				
	9. Designated Facility Name and Site Address HYDRITE CHEMICAL Co.	3	10. US EPA ID Num	,			ate Facility's l		•		
	114 NURTH MAINST. COTTACE GROVE, WI 535	7 7	WID 0008088	zÝ		H. F	acility's Phone	7-1	414		
	11. US DOT Description (Including Proper Ship		ard Class, and ID Num	ber)	12. Conta	iners Type	13. Total Quantity	14. Unit Wt/Vol		I.	
	RQ, WASTE TETRACHLORETHY	6-1-6-1	UN-1897 FG.				/65	1			
G E N	b.	<u>Lene cro</u>	-14 F001		<u> </u>	DM	001/55	5	- 1	<u> </u>	1/_
GENERATOR	c.	<del></del>				1	<u> </u>				
O R	d.	<del></del>				_1_	1 1 1				<u> </u>
<b>'</b>	Additional Descriptions for Materials Listed	Above				K. H	andling Codes	for Wa	stes Lis	ted A	bove
	15. Special Handling Instructions and Addition EMERGENCY #630 - 964 - 2330			······································							
	16. GENERATOR'S CERTIFICATION: I here shipping name and are classified, packed, maplicable international and national government sources. If I am a large quantity generator, I degree I have determined to be economically available to me which minimizes the present.	arked, and labeled nental regulation I also certify that ly practicable and	, and are in all respects: s and according to the I have a program in plac I have selected the pre	in proj requi ce to re ictical:	per condit rements of educe the ale metho	ion for of the volume d of tre	transport by hi Wisconsin Depo and toxicity of	ighway artmen i waste	accordi t of Na general	ing to a tural I ted to t	ap- Re- the
	OR, if I am a small quantity generator, I h select the best waste management method	ave made a good that is available (	faith effort to minimize to me and that I can af	e my v ford.	vaste gen	eration	and		<u> </u>	Date	
	Printed/Typed Name & Position Title RICHARD SCHMITT WAINT.	SUPIA	Signature	1	h	D	· · · · · · · · · · · · · · · · · · ·		Month 05	Day	Yea 72
TRANSPORTER	17. TRANSPORTER 1 Acknowledgement of R Printed/Typed Name & Position Title	eceipt of Materia	Is Shang true	<b>*</b>		)			Month	Date Day	ŽŽ
POR	18. TRANSPORTER 2 Acknowledgement of R	leceipt of Materia			<u>-</u> -					Date	<u></u>
TER	Printed/Typed Name & Position Title	· · · · · · · · · · · · · · · · · · ·	Signature		<u> </u>				Mouth	Day	Year
FAC	19. Discrepancy Indication Space									3	
I 7 1	7). FACILITY OWNER OR OPERATOR: Cer noted in Item 19.	rtification of recei	pt of hazardous materi	als co	vered by	this m	anifest except a	ıs		Date	
Y	Printed/Typed Name & Position Title		Signature	-					Month	Day	Yea
	PA Form 8700-22 (Rev. 9-88) Previous editions are mergency 24 Hour Assistance Telephone Number			2 — Ge	merator semerator ref	ain	E	5 — Faci	ility reta	l to Ger	neratc





P.O. BOX 247
P.O. BOX 247
COTTAGE GROVE, WI 53527-0247
608/257-5892
FACSIMILE: 608/839-4293

# WASTE PROCESSING CERTIFICATION OF DESTRUCTION

For FINISHING EQ.(TRICON INDUST.)

WASTE MASTER#:

14232

**AUTHORIZATION#**:

89932

MANIFEST#:

J538843

This document certifies that the material listed on the referenced / attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

Any material which cannot be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditoner.

Authorized Signature

Hydrite Chemical Company

Cottage Grove, WI 53527



ANALYSISBY: BL



N Butanol 114 N. MAIN STREET [53527-9702] **Alcohols** Ethanol P.O. BOX 247 INCOMING SAMPLE Isobutanol COTTAGE GROVE, WI 53527-0247 **ANALYSIS FORM** Methanol 608/257-5892 FACSIMILE: 608/839-4293 Water 1705-418 Isopropanol LAB NUMBER: N Propanol 5/17/97 DATE: LAB TYPE: **Diluents** Heptane QCA Hexane LOT NUMBER: Mineral Spirits 100 Solvent COMPANY: FINISHING EQ. (TRICON INDUST.) Stoddard WASTE MASTER: 14232 Toluene AUTH NUMBER: 89932 Xylene DISTRIBUTOR: Κ VMP Naphtha PERCHLOROETHYLENE RECYCLE MATERIAL: **Chlorinated** Methylene Chloride SALESPERSON: STEUCK, DAN 99.4% Perchloroethylene RWR040SP PART NUMBER: 111 Trichloroethane CUSTOMER# FI1201 Freon Trichloroethylene **Actives WET CHEMISTRY DATA** Acetone 1.61 SOLVENT DENSITY: N Butyl Acetate 6.5 PH: Ethyl Acetate Glycol Ether EB TOTAL DIST: 46/51 Glycol Ether EEAC PERCENT: YIELD: Isobutyl acetate SOLIDS: Isopropyl Acetate Methyl Ethyl Ketone BTU PER LB: Methyl Isobutyl Keto CHLORIDES: N Propyl Acetate Glycol Ether PM WATER BY KF: Glycol Ether PMA **COLOR APHA:** ACID ACCEPTANCE: Tetrahydrofuran FLASHPOINT: Cyclohexanone Glycol Ether EE PCB NUMBER: P705-162 Glycol Ether EM COMMENTS: Glycol Ether EEP 3 DRUMS Glycol Ether EP Other: 0.6% OTHERS/NOS

APPROVEDBY: QUALITY . . . In All We Do

### SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6.



### STATE OF WISCONSIN

Chapter 144. Wis. Stats. Form 4400-66P

Rev. 5-95

ALL COPIES MUST BE LEGIBLE,

**PLEASE TYPE** 

### State of Wisconsin Department of Natural Resources Bureau of Solid and Hazardous Waste Mgt. Box 8094 Madison, Wisconsin 53708

_		-			_
- 3	COR	DNR	USE	ONLY	
- '♥	_				

ن 1	designed for use on elite (12-pitch) typewriter.			Form	Approve	d. OMB No.	2050-00	039. Expires 9-30-
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA ID No.	Manifest Document No.	2. Page of			the shaded areas d by Federal law.
	3. Generator's Name and Mailing Address		Site Location If Di	fferent		e Manifes	eume	at Number
	I many to the savery states		Similar . The	1.95	B Sta	e Generator'	ı ID	
	4. Generator's Phone ( )		C TIS EDA ID No.			\$3030		
	5. Transporter 1 Company Name		6 US EPA ID Nu			e Transpòrte nsporter's Ph		
	7. Transporter 2 Company Name		8. US EPA ID Nu	mber		e Transporte		
						asporter's Ph		
	9. Designated Facility Name and Site Address	S	10. US EPA ID Nu	mber	G. Sta	te Facility's I	.D	
	The Live of the St.		$\mathcal{H}^{\mathcal{T}_{n,j}}(\mathcal{A}_{n})$	12 S	H. Fac	ility's Phone	Z 7 .	eg ek y kir
	11. US DOT Description (Including Proper Ship		and Class, and ID Nur	nher) 12. Con	tainers	13. Total	14. Unit	I.
		5.47		No.	Type	Quantity	Wt/Vol	Waste No.
	The wast To Kannerson	A Comment	( Carlo 1960)		6. 17 6	10 10 10 10		1. 6161
GENER	b.		<del></del>	<del>'                                    </del>	†-' <b>-</b>			
E	-					1*111		
A T O	c.							
O R	d.	<del>`</del>			╅┸╋╸			
,			**	İ	) , <b>L</b>			1
١,	Additional Descriptions for Materials Listed	Above	- Ping		K. Har	iding Codes	or wa	stes Listed Above
	15. Special Handling Instructions and Addition	nal Information	(18 1. 42 17 M.)	1 / 1 / 2				
	( Seine Tom F : 330 - 164 - 23.	Ž.		•			/	
1	-		44·					
	16. GENERATOR'S CERTIFICATION: I here shipping name and are classified, packed, me plicable international and national government sources. If I am a large quantity generator, degree I have determined to be economically available to me which minimizes the present OR, if I am a small quantity generator, I here select the best waste management method	arked, and labeled nental regulation I also certify that ly practicable and at and future thre ave made a good	i, and are in all respects s and according to the I have a program in ple i I have selected the present to human health an faith effort to minimize	in proper cond e requirements ace to reduce the acticable meth ad the environn te my waste ge	ition for to of the W e volume a od of treament;	ansport by hisconsin Depo nd toxicity of ment, storag	ighway urtmeni waste	according to ap- t of Natural Re- generated to the sposal currently
	Printed/Typed Name & Position Title		Signature	<del></del>			•	Date Month Day Yea
1	Gary / supple		32	11/1/1	11/20	4.		12/1/1/1
Ţ	17. TRANSPORTER 1 Acknowledgement of R	eceipt of Materia						Date
TRANSPORTER	Printed Typed Name & Pasition Title	IVER	Signature	2007				Month Day 75
ĺ	18. TRANSPORTER 2 Acknowledgement of R	eceipt of Materia						Date
T	Printed/Typed Name & Position Title		Signature					Month Day Yea
H	19. Discrepancy Indication Space							
F A C			20 2 <b>200</b>					,
Ĭ	O. FACILITY OWNER OR OPERATOR: Cer	tification of recei	ipt of hazardous mater	ials covered by	this man	ifest except a	is	
Ť	noted in Item 19.				A	<del></del>		Date
Y	Printed/Typed Name & Position Title	house	Signature	1611	S. I	•		Month Day Yea
L	PA Form 8700-22 (Rev. 9-88) Previous editions ar		Copy Distribution	1 Commenter of	and to Wie	DNP	E- all	litera materia



114 N. MAIN STREET (53527-9702) P.O. BOX 247 COTTAGE GROVE, WI 53527-0247

FACSIMILE: 608/839-4293

608/257-5892

# WASTE PROCESSING CERTIFICATION OF DESTRUCTION

For

FINISHING EQ. (TRICON IND.)

WASTE MASTER#:

14232

**AUTHORIZATION#**:

98773

MANIFEST#:

J727172

This document certifies that the material listed on the referenced / attached manifest, will be beneficially recycled or reused by Hydrite Chemical Co., located in Cottage Grove, WI (EPA# WID000808824). The waste residue from our operations will be utilized in a secondary fuel stream and thermally destroyed in a RCRA permitted cement kiln.

. Any material which cannot be treated as indicated above will be thermally destroyed at a licensed incinerator or aggregate kiln.

Containers used to transfer material to Hydrite Chemical Co., will be recycled for further use at an approved drum reconditoner.

Authorized Signature

Hydrite Chemical Company

Cottage Grove, WI 53527



114 N. MAIN STREET (53527-9702)			<u>Alcohols</u>		N Butanol
P.O. 8OX 247	INCOMIN	NG SAMPLE			Ethanol
COTTAGE GROVE, WI 53527-0247	ANALY	SIS FORM			Isobutanol
608/257-5892				0.69/	Methanol Water
FACSIMILE: 608/839-4293	LAB NUMBER:	1803-319		0.6%	Isopropanol
		3/14/98			N Propanol
	DATE:	9714/98 QCA	<u>Diluents</u>		Heptane
	LAB TYPE:	QCA	Dildeilis		Hexane
	LOT NUMBER:		•		Mineral Spirits
COMPANY:	FINISHING E	Q. (TRICON IND.)			100 Solvent
WASTE MASTER		·			Stoddard
AUTH NUMBER:	98773				Toluene
DISTRIBUTOR:	K				Xylene
MATERIAL:	PERC RECY	CLE			VMP Naphtha
SALESPERSON:	STEUCK,DAI	N	<u>Chlorinated</u>	07.00/	Methylene Chloride
PART N MBER:	RWR040SP			97.9%	Perchloroethylene 111 Trichloroethane
CUSTOMER#	FI1201				Freon
			• 4:		
WET CHEMISTR	Y DATA		<u>Actives</u>		Trichloroethylene Acetone
SOLVENT DENS	ITY:	1.5			N Butyl Acetate
PH:		7			Ethyl Acetate
TOTAL DIST:					Glycol Ether EB
PERCENT YIELD	) <del>.</del>				Glycol Ether EEAC
• •	•				Isobutyl acetate
SOLIDS:					Isopropyl Acetate
BTU PER LB:					Methyl Ethyl Ketone Methyl Isobutyl Ketone
CHLORIDES:					N Propyl Acetate
WATER BY KF:					Glycol Ether PM
COLOR APHA:					Glycol Ether PMA
ACID ACCEPTAN	ICE:				Tetrahydrofuran
FLASHPOINT:	D002 100				Cyclohexanone Glycol Ether EE
PCB NUMBER:	P803-100				Glycoi Ether EM
COMMENTS:		***			Glycol Ether EEP
4 DRUMS					Glycol Ether EP
NON-VOLATILE	RESIDUE 0.3%		Other:	1.5%	OTHERS
ANALYSISBY: KB	ADD	ROVEDBY: BJS		100.0%	TOTAL
ANALIGIOUS. ND	ALLI	QUALITY In	All We Do		

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF SOLID AND HAZARDOUS WASTE MANAGEMENT P.O. Box 7035 Irt-ianapolis, IN 46207-7035

	3. Generator's Name and Mailing Address	0.5.0.84.1.2.4			te Manifest Doc	ument Nu		
	Tricon Industries 2325 Wis	consin		JIN/	<u> 032</u>	270	00	
	Downers Grove IL 60515			B. Stat	e Generator's IC	;	-	
	4. Generator's Phone ( 708 ) 954 2350  5. Transporter 1 Company Name	6. Use EPA ID Number		C. Sta	te Transporter's	D.34	00	
}	H Roskin	I L D . 0.4 . 5. 6.	0.57.14	D. Tran	sporter's Phone	512	376934	1.5
	7. Transporter 2 Company Name	8. Use EPA ID Number			e Transporter's		<del> </del>	
					sporter's Phone	) .		
	9. Designated Facility Name and Site Address	10. Use EPA ID Number		G. Sta	te Facility's ID	***		
1.	American Chemical Service			H Fac	918089( lity's Phone	NOS		
Ì	Griffith IN 46319	I.N.D.O.1.8.3.	6-0-5-6-1	1	2 7683	<b>40</b> 0		
			12. Contain	_	13.	14.	L.	
	11. US DOT Description (Including Proper Shipping Name, Ha.	zard Class, and ID Number)	No. 1	уре	Total Quantity	Unit Wt/Vol.	Waste	No.
G	a.				300			
E	Perchlorethylene ORM-A UN	TGA4	2 0	NE.	100	08T	F001	
R	b.	· · · · · · · · · · · · · · · · · ·		<del>-   ·</del>		<del> </del>		
A T					٠			
OR		<u> </u>		.   .				
-	C.				-			
							1	
	d.		+	-+-	• • •			
		•		}				
		•	<u> </u>	<u>.                                     </u>	<u> </u>			
	J. Additional Descriptions for Materials Listed Above	Artigativisti	K	. Handling	Codes for Was	tes Listed	Above	
	* * * * * * * * * * * * * * * * * * *	make a make property of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control			• .	24		
			Surface (exc.)		•			-
	15. Special Handling Instructions and Additional Information				<del></del>	·		
		*						
	SENERATOR'S CERTIFICATION: I hereby declare that the	contents of this consistence.	are fully and -	· ·	docoribad ab			
	GENERATOR'S CERTIFICATION: I hereby declare that the proper shipping name and are classified, packed, market according to applicable international and national govern	d, and labeled, and are in all res					way	
	If i am a large quantity generator, I certify that I have		the volume and	d toxicity	of waste gene	erated to	the degree	e i ha
	determined to be economically practicable and that I he which minimizes the present and future threat to huma	ave selected the practicable mention in health and the environment;	ethod of treatr OR, if I am a :	nent, stor small qua	age, or dispos intity generato	al currer r, I have	itty avaliabl	e to a
	effort to minimize my waste generation and select the be	est waste management method Signature	that is availab	le to me	and that I can a	afford.		
ļ↓	Printed/Typed Name Cary Kaubie	Signature	4.44	K	MM	آ رخ ا	Month Date	19
T	17. Transporter 1 Acknowledgement of Receipt of Materials		wed	1 4	- vepra			N.
→ LE4ZSD	Printed/Typed Name	Signature		حبيدا بد	71. 0	<del>-</del>	Date	
8	LLAKENGE NEAL	Un	Une	6/	une	- 1'		31%
P	18. Transporter 2 Acknowledgement of Receipt of Materials							
l۲	Printed/Typed Name	Signature				1/	Date Day	
RTE					······		·   ·	<u>ا</u>
RTER							±.*	
ORTER	19. Discrepancy Indication Space							
ORTER FA	19. Discrepancy Indication Space						•	
RTER	19. Discrepancy Indication Space						· ;	

### **INSTRUCTIONS TO GENERATORS** (Please type or print clearly)

- (1) Enter generator's U.S. EPA twelve digit identification number and the unique five digit document number assigned to this Manifest (e.g., 00001) by the generator.
- (2) Enter total number of pages comprising this Manifest.
- (3) Enter generator's name and mailing address.
- (4) Enter telephone number where an authorized agent of the generator may be reached in event of an emergency.
- (5, 6) Enter company name and U.S. EPA I.D. number of the first transporter who will transport the waste.
- (7, 8) If applicable, enter company name and U.S. EPA I.D. number of the second transporter who will transport the waste. If more than two transporters are used, enter each additional transporter's information on the Continuation Sheet (EPA Form 8700-22A).
- (9, 10) Enter company name, site address, and U.S. EPA I.D. number of the facility designated to receive the waste listed on this Manifest.
  - (11) Enter U.S. DOT Proper Shipping Name, Hazard Class, and I.D. number (UN/NA) for each waste as identified in 49 CFR 171 through 177. Note: If additional space is needed for waste descriptions, enter in Item 28 on the Continuation Sheet (EPA Form 8700-22A).
  - (12) Enter number of containers for each waste and the appropriate abbreviation from Table I (below) for the type of container.

Table 1 - Types of Containers

DM-Metal drums

TT-Tank Trucks

CM-Metal boxes (including roll-offs)

DW-Wooden drums

TC-Tank cars

DF-Fiberboard/plastic

TP-Tanks portable

TY-Tank Trucks

CM-Metal boxes (including roll-offs)

CW-Wooden boxes

CF-Fiber or plastic boxes

BA-Bags

(13) Enter total quantity of waste described on each line.

(14) Enter appropriate abbreviation from Table II (below) for the unit of measure.

Table II - Units of Measure

P = Pounds

K = Kilograms

Y = Cubic yards

N = Cubic meters

L = Liters (liquids only)

G = Gallons (liquids only)

T = Tons (2,000 lbs.)

M = Metric tons (1,000 kg.)

(16) The **generator** must read, sign (by hand), and date the certification statement. If a mode other than highway is used, the word "highway" should be lined out and the appropriate mode (rail, water, or air) inserted in the space below.

### THE FOLLOWING INFORMATION IN THE SHADED AREAS IS REQUIRED BY INDIANA STATE LAW

- (D) Enter the phone number of first transporter.
- (F) Enter the phone number of second transporter (if applicable).
- (H) Enter the phone number of the designated facility.
- (1) Enter the most appropriate EPA waste code.

GENERATOR IN STATE: Retain Copy 8 and detach and mail Copy 2 to Indiana D.E.M.

GENERATOR OUT OF STATE: Retain Copy 8 and mail Copy 2 to the Generator State (if applicable) and mail Copy to Indiana D.E.M.

### INSTRUCTIONS TO TRANSPORTERS (Please type or print clearly)

(17, 18) Enter name of the person accepting the waste on behalf of the transporter. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

TRANSPORTER(S): Retain Copy 7 (Copy 6) and leave remaining copies with FACILITY OWNER/OPERATOR.

### INSTRUCTIONS TO OWNERS AND OPERATORS OF TREATMENT, STORAGE, OR DISPOSAL FACILITIES (Please type or print clearly)

- (19) The authorized representative of the designated (or alternate) facility's owner or operator must note in this space any discrepancy between the waste described on the Manifest and the waste actually received at the facility.
- (20) Print or type name of the person accepting the waste on behalf of the owner or operator of the facility. That person must acknowledge acceptance of the waste described on the Manifest by signing and entering the date of receipt.

OWNER/OPERATOR IN STATE: Retain Copy 5, return Copy 4 to generator and mail Copy 1 to Indiana D.E.M.
OWNER/GPERATOR OUT OF STATE: Retain Copy 5, return Copy 4 to generator, mail Copy 1 to the TSD State
(if applicable) and mail Copy 3 to Indiana D.E.M.

Indiana generators and TSD facilities must mail the required manifest copies to the State of Indiana within five (5) working days of shipment or receipt of the waste (IC 13-7-8.5-7).

Address all manifest copies:

Indiana Department of Environmental Management Office of Solid and Hazardous Waste Management P.O. Box 7035

indianapolis, IN 46207-7035

Manifest Tracking Phone Number: (317)243-5014

### JEE INST. UCTIONS ON REVERSE SIDE OF COPY 6.



## STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66 Rev. 3-89

Emergency 24 Hour Assistance Telephone Number

Rev. 3-89

State of Wisconsin Department of Natural Resources
Bureau of Solid Waste Mgt.
Box 8094 Madison, Wisconsin 53708

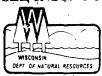
3 - Facility send to Wis. DNR

6 — Transporter retain

FOR	DNR	USE	ONLY	•

UNIFORM HAZARDOUS	1. Generator's U	US EPA ID No.	Ma	nifest	2. Pag		forma	tion in	the sha	ded area
WASTE MANIFEST	ILD00508	84124	0,99	T4N°O	l of	l is	not r	equire	d by Fe	leral law
3. Generator's Name and Mailing Address				!	A. Su	ite Manii I	lest D	OCUM 00	nt Num O 1	ber
Tricon Mfg. 2325 Wisco					and the second second	te Gener		36 360 AM	() II.	
Downers Grove IL 60515 4. Generator's Phone (708) 964 233					B. Sw	ite Gener	аци :	,		
5. Transporter 1 Company Name	70	6. US EPA ID N	Vumber		C. Sta	te Trans	porte	r's ID		
H Roskin Motor Service	)	ILD045695	5715			msporter				
7. Transporter 2 Company Name		8. US EPA ID N	Number			te Trans	7			
Delegated To discovery of City Address		10. US EPA ID N	Jumbar			nsporter ite Facili				
<ol> <li>Designated Facility Name and Site Address Avganic Ind.</li> </ol>	38	10. US EPA ID	a amber		G. Gu	(ve racm	.y 5 1			
114 N Main					H. Fa	cility's P	hone			
Cottage Grove WI 53527	7	WIJOOOBO	08824							
1. US DOT Description (Including Proper Sh	ipping Name. Haz	ard Class, and ID N	(umber)	12. Conte		Total	1	Unit		1.
<del></del>				No.	Туре	Quanti	ty	₩t/Vol	Was	e Na.
Perchlorethylene ORM-A	1 UN1897 R	o).	ļ	, ,4	dm	, ,2,	0,0	G	F .0	, 0 ,1
1010112010 011, 20110 01111 1		<b>Y</b>								
	· · · · · · · · · · · · · · · · · · ·					اللل				1 1
			}							
					- +	1-1-1				1 1
			1					]		
Additional Descriptions for Materials Lister  5. Special Handling Instructions and Addition					K E	ridling C	odes i	or Wa	stos 1.is	ted Aber
					K. Ha	undking C	ades I	tor We	stos lik	l L
5. Special Handling Instructions and Addition  14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, n plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence. If I am a small quantity generator. I	onal Information  reby declare that the narked, and labeled amental regulation, I also certify that ally practicable and ent and future threshave made a good	I, and are in all respe s and according to I have a program in I have selected the at to human health faith effort to mining	cts in prop the required place to re- practical and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b	y proper ng to ap- ural Re- ural to the
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence.  OR, if I am a small quantity generator, I select the best waste management method.	onal Information  reby declare that the narked, and labeled amental regulation, I also certify that ally practicable and ent and future threshave made a good	l, and are in all respe s and according to I have a program in I have selected the at to human health faith effort to minis to me and that I ca	cts in prop the required place to re- practical and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b accordi to of Nat generat isposal c	y proper ng to ap- ural Re-
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, no plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence. OR, if I am a small quantity generator, I select the best waste management method rinted/Typed Name & Position Title	onal Information  reby declare that the narked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the second of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of	I, and are in all respe s and according to I have a program in I have selected the at to human health faith effort to mining	cts in prop the required place to re- practical and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b accordi t of Na generat isposal c	y proper ng to ap- ural Re- ed to the urrently
5. Special Handling Instructions and Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additional Additio	onal Information  reby declare that the narked, and labeled amental regulations, I also certify that ally practicable and ent and future three have made a good did that is available to the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of t	s, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minimate me and that I call Signature	cts in prop the required place to re- practical and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b accordi t of Na generat sposal c	y proper ng to apural Reed to the urrently
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, no plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence. OR, if I am a small quantity generator, I select the best waste management method rinted/Typed Name & Position Title	onal Information  reby declare that the narked, and labeled amental regulations, I also certify that ally practicable and ent and future three have made a good did that is available to the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of t	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minit to me and that I call Signature	cts in prop the required place to re- practicals and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b accordi t of Na generat sposal c	y proper ng to apural Reed to the urrently
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence of the best waste management method international printed/Typed Name & Position Title Management of Transporter 1 Acknowledgement of	onal Information  reby declare that the narked, and labeled amental regulations, I also certify that ally practicable and ent and future three have made a good did that is available to the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of t	s, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minimate me and that I call Signature	cts in prop the required place to re- practicals and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b accordi t of Na generat sposal c	y proper ng to apural Reed to the urrently
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence of the best waste management method international name & Position Title of TRANSPORTER 1 Acknowledgement of the TRANSPORTER 2 Acknowledgement of TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the TRANSPORTER 2 Acknowledgement of th	onal Information  areby declare that the marked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and th	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minit to me and that I calls Signature	cts in prop the required place to re- practicals and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above be according to of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of N	y proper ng to apural Reed to the urrently  Date  Date  Day Y  199  Date
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economics available to me which minimizes the presence of the best waste management method international Name & Position Title Acknowledgement of Tringed/Typed Name & Position Title	onal Information  areby declare that the marked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and th	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minimate to me and that I call Signature	cts in prop the required place to re- practicals and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above b accordit of Nat generat isposal of Month	y proper ng to apural Reed to the urrently  Date  Date  Day Y  199  Date
5. Special Handling Instructions and Addition  14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence of the best waste management method international printed/Typed Name & Position Title  7. TRANSPORTER 1 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Ack	onal Information  areby declare that the marked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and the made and th	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minit to me and that I calls Signature	cts in prop the required place to re- practicals and the e	per conditions of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the c	lly and ion for t if the V volume d of trea nt;	accuratel transport visconsin and toxic atment, s	ly dessiby hi	cribed ghway artmen	above be according to of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of National Control of N	y proper ng to ap ural Reed to the urrently  Date  Date  Day  J 9  Date
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the press OR, if I am a small quantity generator, I select the best waste management method winted/Typed Name & Position Title Control of the Superson of the Control of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Superson of the Supers	onal Information  areby declare that the parked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of t	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minimate to me and that I calls Signature  Signature  Signature  Signature	cts in proj the require place to re- practicals and the e mize my v n afford.	per condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the co	lly and ion for of the V volume of of tree int; eration	accuratel transport visconsin and toxic atment, s	ly desity of torage	cribed ghway artmen waste e, or di	above be according to f National Control of Na	y proper ng to apural Reed to the urrently  Date  Date  Day  Y  19  9  Date  Day  Date
5. Special Handling Instructions and Addition  14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the presence of the best waste management method international printed/Typed Name & Position Title  7. TRANSPORTER 1 Acknowledgement of the TRANSPORTER 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement of the Transporter 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Acknowledgement 2 Ack	onal Information  areby declare that the parked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of t	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minimate to me and that I calls Signature  Signature  Signature  Signature	cts in proj the require place to re- practicals and the e mize my v n afford.	per condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the co	lly and ion for of the V volume of of tree int; eration	accuratel transport visconsin and toxic atment, s	ly desity of torage	cribed ghway artmen waste e, or di	above be according to f National Control of Na	p proper ng to apural Reed to the urrently  Date  Day Y  Date  Day Y  Date  Day Y
5. Special Handling Instructions and Addition 14232X30392  6. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, a plicable international and national govern sources. If I am a large quantity generator degree I have determined to be economical available to me which minimizes the pression. OR, if I am a small quantity generator, I select the best waste management method winted/Typed Name & Position Title which is a proper to the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of the proper of	onal Information  areby declare that the parked, and labeled amental regulation, I also certify that ally practicable and ent and future three have made a good did that is available to the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of t	l, and are in all respess and according to I have a program in I have selected the at to human health faith effort to minimate to me and that I calls Signature  Signature  Signature  Signature	cts in proj the require place to re- practicals and the e mize my v n afford.	per condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the condition of the co	lly and ion for of the V volume of of tree int; eration	accuratel transport visconsin and toxic atment, s	ly desity of torage	cribed ghway artmen waste e, or di	above be according to f National Control of Na	y proper ng to apural Reed to the urrently  Date  Date  Day Y  199  Date

### SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6.



## STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66 Rev. 3-89

Rev. 3-89

### State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Madison, Wisconsin 53708

311 120 11 11 1

P¥	or type. Form designed for use on ente (	12-pitch) typewrite	ır.				I. OMB NO. 2		os. Expire	8 9-30-9
1	UNIFORM HAZARDOUS WASTE MANIFEST_	1. Generator's ILDOOSO	US EPA ID No. <b>84124</b>	O S	ment No	2. Page 1 of 1	Intolline		the shaded by Feder	
	3. Generator's Name and Mailing Address						e Manifest D			
	Tricon Mfg. 2325 Wiseo					R Stat	e Generator'		31	
	Downers Grove IL 50518 4. Generator's Phone 708   964 233					B. Stat	e Generaçor i			
-	5. Transporter 1 Company Name	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6. US EPA ID I	Number			Transporte		23631	uL
$\prod$	H Roskin Motor Service	)	ILD04569			And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	sporter's Ph		2-31	7' /
	7. Transporter 2 Company Name		11/10/00/2	ינצשטי	24	Secretario de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composições de Composi	e Transporte sporter's Ph	0070000000000000000		
11	9. Designated Facility Name and Site Address	99	10. US EPA ID I	Number		*******	e Facility's I			
11	Avgenic Ind.							<u></u>		
	114 N Wain	•	w2700080	30004		H. Faci	lity Phone	571	414	
-	Cottage Grove #I 53527	<del></del>			12. Cont	iners	_13.	14.	7	
	1. US DOT Description (Including Proper Sh	ipping Name, Has	eard Class, and ID N	Vumber)	No.	Туре	Total Quantity	Unit Wt/Vol	Waste	No.
									*	
G E	Perchlorethylene ORM-1	MINTRAS K	<u> </u>		1 4	de	200	٠	F <sub>1</sub> O <sub>1</sub>	O IT
N E					1	1 . 1	1 1 1 1	1	1 1	
R	· ·									
T O R	<u> </u>	<del></del>		<del></del>		╁╌┣╾		-	11	1
	1.					* 1		'	١,,,	ŧ
	Additional Descriptions for Materials Lister	d Above				K. Hax	dling Codes	for Wa	ates Listed	Above
1 2										
	14 232130392  16. GENERATOR'S CERTIFICATION: I he shipping name and are classified, packed, replicable international and national govern sources. If I am a large quantity generator degree I have determined to be economics available to me which minimizes the present the present that the present is a supplied to the supplied to the present that the present is a supplied to the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present that the present the present the present that the present that the present that the present that the present the present the present the present th	narked, and labeled nmental regulation , I also certify that ally practicable and	d, and are in all respons and according to I have a program in I have selected the	ects in pro the requi place to r practical	per condi rements educe the ble metho	tion for tr of the Wi volume a d of treat	ansport by hi sconsin Depo nd toxicity of	ighway artmen waste	according t of Natura generated	to ap- al Re- to the
	OR, if I am a small quantity generator, I						nd			
$\prod$	select the best waste management method	d that is available	to me and that I ca	ın afford.					Da	te
	Printed/Typed Name & Position Title		Signature		No. N	<u></u>			Month D	y Yea
1						C.			باللا	
R	17. TRANSPORTER 1 Acknowledgement of Printed/Typed Name & Position Title	Receipt of Materia	Signature						Da Month Da	
N										
P	18. TRANSPORTER 2 Acknowledgement of	Receipt of Materi		4		1.1			Da	te
TRANSPORTER	Printed/Typed Name & Position Title DK	IVER	Signature &	W,	7 U	leve	ر 		77	3 / Y
न	19. Discrepancy Indication Space									
\										
~	FACILITY OWNER OR OPERATOR: C	ertification of rece	pipt of hazardous ma	aterials co	vered by	this man	ifest except	īs .		
	noted in Item 19.						·.		Da	ite
	inted/Typed Name & Position Title		Signature	11/2	- 11/1.		6		Month D	Yey Ye
	0-22 (Rev. 9-88) Previous editions a	are obsolete.	Copy Distribution:			end to Wis.			ility retain	<u>دان سایت</u>
	70-22 (Rev. 9-88) Previous editions a Hour Assistance Telephone Number (608) 266-3232		-66	2 - G	enerator re acility send	tain I to Wis. D	NR (	5 — Fac	ility retain ility send to nsporter reta	

# SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6. STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66P 10-89

GEPT. OF NATURAL RESOURCES

Emergency 24 Hour Assistance Telephone Number

### State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Madison, Wisconsin 53708

2 — Generator retain

3 — Facility send to Wis. DNR

FOR DNR USE ONLY

5 - Facility send to Genera

6 — Transporter retain

F	a print or type. Form designed for use on eate (1	2-pitch) typewrite	er.		FORI		ed. UMB No.	2050-00	39. Ex	pres 9	-30-
1	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's ILD00508	US EPA ID No. 4124		lanifest ument No   04   1	2. Page	21110111	nation in require	the sh	aded a	ireas law.
	3. Generator's Name and Mailing Address Tricon Industries 2325 Downers Grove IL 60515					W	te Manifest I U U te Generator	137	nt Nun 7	aber	
	4. Generator's Phone (708) 964 2330	O EMER	RGENCY CON	VTAC							
	5. Transporter 1 Company Name	<u> </u>	6. US EPA ID Nu	mber		C. Sta	te Transport	er's ID	20	66	
	Avganic Industries		WID0008088				nsportar's P				A
	7. Transporter 2 Company Name		8. US EPA ID Nu				te Transport		G. K J I	1.4.1	<u> </u>
11	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		}			***************************************	nsporter's P				
	9. Designated Facility Name and Site Addres Avganic Industries	18	10. US EPA ID Nu	mber			te Facility's				
	114 N Main					H. Fa	ility's Phone			-	
	Cottage Grove WI 53527		WID0008088	24			08 257	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			y il Zyge
					12. Cont		_13	Unit		I.	
Н	11. US DOT Description (Including Proper Shi	ipping Name, Has	eard Class, and ID Nu	mber)	No.	Туре	Total Quantity	Wt/Val	Was	te No	<b>.</b>
	a.										
G	Waste Perchlorethylene	ORM-A UN	1897RQ			DM	1_11 65	G	E 10	្រ	11
CEZER - FOR	b.						****				# 3 -1 (1.5)
2					1.1.		1111			1	4
R A	C.										
TO			·				1_1_1_1	$oldsymbol{\perp}$	4	1	1
R	d.										
	Accitional Descriptions for Materials Listed						ndling Codes		4.	1.	1
	15. Special Handling Instructions and Addition		4232X42166								
	18. GENERATOR'S CERTIFICATION: I her shipping name and are classified, packed, m plicable international and national governs sources. If I am a large quantity generator, degree I have determined to be economical available to me which minimizes the present	reby declare that the sarked, and labels	the contents of this co	s in pro	per condi	tion for t	ransport by l	highway	accord	ing to	ap-
	[							*			
	OR, if I am a small quantity generator, I he select the best waste management method	nave made a good I that is available	to me and that I can	ze my afford.	waste ger	eration	anc				
1	<u> </u>				<del></del>					Date	
П	Printed/Typed Name & Position Title	Plater	Signature	M	$\mathcal{K}^{\prime}$	and	2.		Month / 2	Day	ιζ"
<u>                                     </u>	1 14 3 3 6		1 / / / /								_1
T R	17. TRANSPORTER 1 Acknowledgement of I	Receipt of Materia							120	Date	<del></del>
AN	Printed/Typed Name & Position Title	ط <i>س</i> امہ	Signature / Will.	. /	he a sh	?,			Month	Day	ı Q
AN SP		RIVEK	<del></del>		- co-eu	1			10	11	4
P	18. TRANSPORTER 2 Acknowledgement of I	Receipt of Materia							<u> </u>	Date	
ORTER	Printed/Typed Name & Position Title		Signature						Month	Day	Ye !
R				_							
F A C I	19. Discrepancy Indication Space  20. FACILITY OWNER OR OPERATOR: Ce	ertification of rece	ipt of hazardous mate	erials co	overed by	this mar	nifest except	85			
T	noted in Item 19.								<u> </u>	Date	
Y	Printed/Typed Name & Position Title		Signature						Month	Day	Ye
L_	<u> </u>							<del></del> -	ـــــــا		
EF	PA Form 8700-22 (Rev. 9-88) Previous editions a	re obsolete.	Copy Distribution:	1 — G	enerator se	end to Wis	. DNR	4 - Faci	lity reta	in	

00010

### SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6.

WISCONSIN DEPT OF MATURAL RESOURCES

STATE OF WISCONSIN

Chapter 144, Wis. Stats. Form 4400-66P

10-89

# State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Medicon Wisconsin 52708

FOR DNR USE ONLY

Madison, Wisconsin 53708 Form Approved. OMB No. 2050-0039. Expires 9-30-9 print or type. Form designed for use on elite (12-pitch) typewriter. Manifest 1. Generator's US EPA ID No. Page 1 UNIFORM HAZARDOUS Information in the shaded areas Document No. is not required by Federal law. WASTE MANIFEST 12 | OK | 1 <u> 11 DOOSOR4124</u> 3. Generator's Name and Mailing Address A. State Manifest Document Number WI. Tricon Industries 2325 Wisconsin B. State Generator's ID Downers Grove IL 60515 4. Generator's Phone (708) 964 2330 5. Transporter 1 Company Name 6. US EPA ID Number C. State Transporter's ID D. Transporter's Phone 5082571414 Avganic Industries **utnaaaaaaa** 7. Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's II F. Transporter's Phone 10. US EPA ID Number 9. Designated Facility Name and Site Address G. State Facility's ID Avganic Industries H. Facility's Phone 114 N Main <u>Cottage Grove WI 53527</u> WIDDDDDADRR24 608 257 12. Containers Total Unit 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) No. Туре Quantity Wt/Vol Waste No. a. Waste Perchlorethylene ORM-A UN 1897RO GENERAT b. C. d. K. Handling Codes for Wastes Listed Above Additional Descriptions for Materials Listed Above 15. Special Handling Instructions and Additional Information 14232X42166 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name & Position Title Signature 17. TRANSPORTER 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name & Position Title Month Signature Day  $i_1 I$ 18. TRANSPORTER 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name & Position Title Signature Month Day 19. Discrepancy Indication Space 20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Date Printed/Typed Name & Position Title Signature Month Dav

Emergency 24 Hour Assistance Telephone Number In Wisconsin (608) 266-3232

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:

COPY 5

n: 1 — Generator send to Wis. DNR 2 — Generator retain

4 — Facility retain5 — Facility send to Genera

3 — Facility send to Wis. DNR Copies 1 & 3 mail to Wis. DNR at above address. 6 — Transporter retain

### 



# STATE OF WISCONSIN Chapter 144, Wis. Stats. Form 4400-66 Rev. 3-89

Rev. 3-89

### State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Madison, Wisconsin 53708

FOR	DNR	USE ONLY	_

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	• <del></del>		nifest sent No.	2. Pag 1 of	is no	t require	d by Fe	aded area deral law
3. Generator's Name and Mailing Address Tricen Ind. 2325 Wiscon Downers Grove IL 60515			. <del></del>		W	ate Manifest I J ite Generato	840	nt Nun <b>13</b>	iber
4. Generator's Phone (708 364 23 5. Transporter 1 Company Name Average Industries	30	6. US EPA ID N W1000808				ite Transpor ansporter's I			% 6 71414
7. Transporter 2 Company Name	¥	8. US EPA ID N			E. Sta F. Tra	ite Transpor insporter's I	ter's ID hone		
9. Designated Facility Name and Site Add	ress	10. US EPA ID N	umber			ite Facility's cility's Phon			
114 R Main Cottage Grove WI 53527	· ! 	WID000808	824		1 2 4 4 3 1	5082571	414		
11. US DOT Description (Including Proper S	Shipping Name, Haz	ard Class, and ID No	umberj	No.	Type	13. Total Quantity	14. Unit Wt/Vol	Was	I. te Na.
a. WASTE Perchlorethylene OR	H-A UN 189	7 RQ F	,	1 15	DM	1 27	5 6	F	0101
b.				1_1_		1_1_1_1	f	-	1 1
c. 						1111		1	1 1
<b>d.</b>	·	A.							
		105							
15. Special Handling Instructions and Addi	hereby declare that	he contents of this c	onsignme	nt are fu	lly and	accurately d	escribed	above t	y proper
EMERGEN 14232	hereby declare that to marked, and labeled armental regulation or, I also certify that cally practicable and	he contents of this contents of this contents and are in all respects and according to the I have a program in pure selected the intents.	onsignments in prop the require place to re- practicable	nt are fu er condi- ements duce the e metho	tion for t of the V volume d of tree	transport by Visconsin De and toxicity	highway partmen of waste	accord t of Na genera	ing to ap- tural Re- ced to the
14232  16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generat degree I have determined to be economic	hereby declare that to marked, and labeled ernmental regulation or, I also certify that cally practicable and seent and future three I have made a good	he contents of this coll, and are in all respects and according to to I have a program in position in the latest to human health a faith effort to minimal.	onsignments in proposite in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposit	nt are fuer condi- ements duce the e methony	tion for toof the Volume d of treatment;	transport by Visconsin De and toxicity atment, stora	highway partmen of waste	accord t of Na general sposal	ing to ap- tural Re- ced to the currently
14232  16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generat degree I have determined to be economicavailable to me which minimizes the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present	hereby declare that to marked, and labeled ernmental regulation or, I also certify that cally practicable and seent and future three I have made a good	he contents of this coll, and are in all respects and according to to I have a program in position in the latest to human health a faith effort to minimal.	onsignments in proposite in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposit	nt are fuer condi- ements duce the e methony	tion for toof the Volume d of treatment;	transport by Visconsin De and toxicity atment, stora	highway partmen of waste	accord t of Na general sposal	ing to aptural Reced to the currently
14232  16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generat degree I have determined to be economicavailable to me which minimizes the present of the best waste management method. Typed Name & Position Title  17. TRANSPORTER 1 Acknowledgement of	hereby declare that to marked, and labeled remmental regulation or, I also certify that cally practicable and seent and future three I have made a good nod that is available	he contents of this collar and are in all respects and according to to I have a program in plat to human health affort to minimite me and that I can	onsignments in proposite in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposit	nt are fuer condi- ements duce the e methony	tion for toof the Volume d of treatment;	transport by Visconsin De and toxicity atment, stora	highway partmen of waste	accord t of Na genera sposal	ing to aptural Reced to the currently
16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generat degree I have determined to be economi available to me which minimizes the presence of the best waste management method. Transporter I acknowledgement of the Printed/Typed Name & Position Title  17. TRANSPORTER 1 Acknowledgement of Printed/Typed Name & Position Title	hereby declare that to marked, and labeled formmental regulation or, I also certify that cally practicable and seent and future three I have made a good nod that is available of Receipt of Material	he contents of this collar and are in all respects and according to the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	onsignments in proposite in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposit	nt are fuer condi- ements duce the e methony	tion for toof the Volume d of treatment;	transport by Visconsin De and toxicity atment, stora	highway partmen of waste	accord t of Na genera sposal	Date Date Day Y
14232  16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generated degree I have determined to be economicavailable to me which minimizes the present of the best waste management method. Typed Name & Position Title  17. TRANSPORTER 1 Acknowledgement of Printed/Typed Name & Position Title	hereby declare that to marked, and labeled formmental regulation or, I also certify that cally practicable and seent and future three I have made a good nod that is available of Receipt of Material	he contents of this collar and are in all respects and according to the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	onsignments in proposite in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposit	nt are fuer condi- ements duce the e methony	tion for toof the Volume d of treatment;	transport by Visconsin De and toxicity atment, stora	highway partmen of waste	accord t of Na general sposal	Date  Date  Date  Date  Date  Date
16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generated degree I have determined to be economically available to me which minimizes the presence of the best waste management method. Transporter 1 Acknowledgement of the Printed Typed Name & Position Title  17. TRANSPORTER 1 Acknowledgement of the Printed Typed Name & Position Title  18. TRANSPORTER 2 Acknowledgement of the Printed Typed Name & Position Title	hereby declare that to marked, and labeled formmental regulation or, I also certify that cally practicable and seent and future three I have made a good nod that is available of Receipt of Material	he contents of this collar and are in all respects and according to the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	onsignments in proposite in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposition in proposit	nt are fuer condi- ements duce the e methony	tion for toof the Volume d of treatment;	transport by Visconsin De and toxicity atment, stora	highway partmen of waste	accord t of Na general sposal Month	Date  Date  Date  Date  Date  Date  Date
14232  16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generate degree I have determined to be economicavailable to me which minimizes the presence of the best waste management method. Typed Name & Position Title  17. TRANSPORTER 1 Acknowledgement of Printed/Typed Name & Position Title  18. TRANSPORTER 2 Acknowledgement of Printed/Typed Name & Position Title  Printed/Typed Name & Position Title	hereby declare that to marked, and labeled formmental regulation or, I also certify that cally practicable and seent and future three I have made a good nod that is available of Receipt of Material of Receipt of Material	he contents of this collar and are in all respects and according to the same appropriate to human health at to human health at the faith effort to minimize me and that I can Signature  Signature  Signature  Signature	onsignments in propher require for the require for the practicable and the entire for the require ent of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of	nt are fuer condi- ements of duce the emetho en metho en en metho en en metho en en en en en en en en en en en en en en en en en en en en en en en en en en en en en en en en  tion for of the V volume d of tree ent; neration	transport by Visconsin De and toxicity atment, stora	highway partmen of waste age, or d	accord t of Na general sposal Month	Date Day Y Date Day Y Date Day Y	
16. GENERATOR'S CERTIFICATION: I shipping name and are classified, packed plicable international and national gove sources. If I am a large quantity generat degree I have determined to be economiavailable to me which minimizes the presence of the best waste management method. Transporter I acknowledgement of Printed/Typed Name & Position Title  17. TRANSPORTER 1 Acknowledgement of Printed/Typed Name & Position Title  18. TRANSPORTER 2 Acknowledgement of Printed/Typed Name & Position Title  19. Discrepancy Indication Space	hereby declare that the marked, and labeled formmental regulation or, I also certify that cally practicable and seent and future three I have made a good and that is available of Receipt of Material of Receipt of Material Certification of receipt of receipt of receipt of material Certification of receipt of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification of receipt of material certification o	he contents of this collar and are in all respects and according to the same appropriate to human health at to human health at the faith effort to minimize me and that I can Signature  Signature  Signature  Signature	onsignments in propher require for the require for the practicable and the entire for the require ent of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of the requirement of	nt are fuer condi- ements of duce the emetho en metho en en metho en en metho en en en en en en en en en en en en en en en en en en en en en en en en en en en en en en en en  tion for of the V volume d of tree ent; neration	transport by Visconsin De and toxicity atment, stora	highway partmen of waste age, or d	accord t of Na general sposal Month	Date  Day  Date  Day  Date  Day  Date	

- 3 Facility send to Wis. DNR
- 6 Transporter retain

Copies 1 & 3 mail to Wis. DNR at above address.

STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66P
10-89 WISCONSIN DEPT OF NATURAL RESOURCES

State of Wisconsin Department of Natural Resources Bureau of Solid Waste Mgt. Box 8094 Madison, Wisconsin 53708

FOR DNR USE ONLY

	print or type. Form designed for use on elite (12-pitch) typewriter. Form Approved. OMB					d. OMB No. 20	050-003	39. Expire	s <b>9</b> -30-91	
1	UNIFORM HAZARDOUS WASTE MANIFEST		US EPA ID No.		anifest ment No.	2. Page of	1		the shade by Feder	
$\ \cdot\ $	3. Generator's Name and Mailing Address			-0 5	06 2	A. State Manifest Document		t Number		
	Tricon Industries 232 Downers Grove IL 6051 4. Generator's Phone (708 964 233	in Av.	WI J201951  B. State Generator's ID							
	4. Generator's Phone ( 708 954 2330 5. Transporter 1 Company Name		6. US EPA ID Number			C. State Transporter's ID				
$\  \ $	7. Transporter 2 Company Name		8. US EPA ID Number			D. Transporter's Phone 6082571414				
	7. Transporter 2 Company Name	E. State Transporter's ID  F. Transporter's Phone								
Н	9. Designated Facility Name and Site Address  Avganic Industries 114 N Main		10. US EPA ID Number			G. State Facility's ID  H. Facility's Phone				<del></del>
	Cottage Grove WI 53527  11. US DOT Description (Including Proper Sh	•			12. Conta	'	Total			
					No.	Туре		Mt/A9	Waste	No.
	a.		1000		3		150		<b>.</b>	
G E	b. Waste Perchlorethylens	DRM-A UN	1897 RQ	·	7	D 74	1	<del>- 6 -  </del>	<del>-F-0</del> '	<del>0   1</del>
N E									1 1	
A	c.									
T O R	1		<del> </del>		<del> </del>				<u> l</u> l	
۳ ا	d.				, ,	<b>.</b>		1		
	15. Special Handling Instructions and Additional Information  14232X46018  16. CENERATOR'S CERTIFICATION. I hereby declare that the contents of this consistency are fully and accurately described above by proper									
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment;  OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
		1						Da Month Da		
1	Printed Typed Name & Position Title		Signature	3	X		it		Month D	4
T	17. TRANSPORTER 1 Acknowledgement of	Receipt of Materi	als		7 1 547				Da	te
T R A N S P	Printed/Typed Name & Position Title	ORDER.	Signature	1.	4	de d			Month D	y Yea
Ō	18. TRANSPORTER 2 Acknowledgement of Receipt of Materials				<del> </del>				Da	
R T E R	Printed/Typed Name & Position Title	Signature						Month D	ку Үев	
R	19. Discrepancy Indication Space	·					······································			
P A C	to and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o									
I		20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardeus materials covered by this manifest except as								
I T	noted in Item 19.							Da	_	
Ÿ	Printed/Typed Name & Position Title	Signature	Signature					Month D	ay Yee 1972	
	PA Form 8700-22 (Rev. 9-88) Previous editions a	re obsolete	Copy Distribution:	1 - G	enerator se	nd to Wi-	DNR 4			<u>) (                                   </u>
Er	mergency 24 Hour Assistance Telephone Number Wisconsin (608) 266-3232	1 / /	Conice 1 &	$\begin{array}{c} 2 - G \\ 3 - F \end{array}$	enerator re acility send	tain to Wis. D	NR 6	— Facil	lity retain lity send to sporter reta	

Industrial Monitoring Data Summary

Report Date: Analysis Date:	April 9, 2002 February 28, 20	002			
Monitoring Location:	Tricon Industries 2325 Wisconsin, Downers Grove, IL Plating/Finshing Department-Pretreated Discharge				
Sample Number:	15899	15902	15904	15908	
Sample Date:	2/18/02	2/19/02	2/20/02	2/21/02	
Sample Type:	Composite	Composite	Composite	Composite	
Parameters:					
Antimony (T) mg/L Arsenic (T) mg/L Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L					
Cadmium (T) mg/L	< .02	< .02	< .02	< .02	
Chromium (T) mg/L	< .05	< .05	< .05	< .05	
Chromium (+6) mg/L					
Copper (T) mg/L fron (T) mg/L	1.48	0.48	0.78	1.05	
Lead (T) mg/L	< .10	< .10	< .10	< .10	
Manganese (T) mg/L					
Mercury (T) mg/L					
Molybdenum (T) mg/L					
Nickel (T) mg/L	0.09	< .05	< .05	< .05	
Selenium (T) mg/L Silver (T) mg/L	0.18	0.09	0.08	0.07	
Thallium (T) mg/L	0.10	0.09	0.00	0.07	
Zinc (T) mg/L	1.18	0.11	0.07	0.08	
Total Cyanide sample date February 21, 2002					
Sample Number 15		e: 11:20	<.01		

Analyses are in accordance with 40 CFR Part 136

Industrial Monitoring Data Summary

Report Date:	
Analysis Date:	

November 2, 2001 10/29, 10/30, 11/1

Monitorin	Location:

TRICON, INC. 2325 Wisconsin, DG

Total Flow 15886

Sample Number: Sample Date: Sample Type:

10/24/01 Composite

### Pollutant:

Antimony (T) mg/L
Arsenic (T) mg/L
Barium (T) mg/l

0.0004

Barium (T) mg/L Beryllium (T) mg/L Boron (T) mg/L

Cadmium (T) mg/L Chromium (T) mg/L Chromium (+6) mg/L

<0.02 <0.05

Copper (T) mg/L

<0.05

Iron (T) mg/L Lead (T) mg/L

<0.10

Manganese (T) mg/L Mercury (T) mg/L Molybdenum (T) mg/L

0.31

Nickel (T) mg/L
Selenium (T) mg/L
Silver (T) mg/L
Thallium (T) mg/L

<.001 0.05

· Zinc (T) mg/L

0.73

Total Cyanide mg/L

10/24/01

15884

10:20

<.01

Analyses performed in accordance with

40 CFR Part 136

Industrial Monitoring Data Summary

Report Date: Analysis Date:	October 11, 200 October 9, 200			
Monitoring Location:	Tricon Industries 2325 Wisconsin, Downers Grove, IL Plating/Finshing Department-Pretreated Discharge			
Sample Number:	15847	15850	15852	15854
Sample Date:	10/1/01	10/2/01	10/3/01	10/4/01
Sample Type:	Composite	Composite	Composite	Composite
Parameters:				
Antimony (T) mg/L				
Arsenic (T) mg/L				
Barium (T) mg/L				
Beryllium (T) mg/L				
Boron (T) mg/L			0.0	00
Cadmium (T) mg/L	< .02	< .02	< .02	< .02
Chromium (T) mg/L	< .05	< .05	< .05	< .05
Chromium (+6) mg/L	0.44	0.05	4.05	- OF
Copper (T) mg/L	0.11	0.05	< .05	< .05
Iron (T) mg/L	< .10	< .10	< .10	< .10
Lead (T) mg/L	< .10	< .10	< .10	~ . 10
Manganese (T) mg/L Mercury (T) mg/L				
Molybdenum (T) mg/L				
Nickel (T) mg/L	< .05	0.88	0.07	0.27
Selenium (T) mg/L	1.00	0.00	0.07	0.27
Silver (T) mg/L	0.05	< .05	< .05	< .05
Thallium (T) mg/L				
Zinc (T) mg/L	0.79	0.28	0.02	0.07
Total Cyanide sample date 0ct	ober 1, 2001			
Sample Number: 1		e: 9:11	,0.01	

Analyses are in accordance with 40 CFR Part 136

Industrial Site Visit Report

Location: Tricon Industries, Inc.

Address: 2325 Wisconsin, Downers Grove, Illinois 60515

Date: March 9, 2001 / Time: 10:00 Hours

Facility Representative: Larry McDaniel District Representative: Janet Buchner

This inspection was the routine annual site visit at Tricon and it was scheduled the previous week. Tricon produces electrical connectors used in the automotive, communications and household appliance industries. The number of employees is estimated at 500. The plating/finishing department is working 10 hours, while the rest of the plant is on three shifts. Business is down so there is no weekend work. This work reduction also has reduced the amount of plating/finishing done, which is reflected in the lower water use.

No changes were made to processes or operations on site. Chemical usage is also unchanged. Tricon has gone to Heritage Crystal Clean for all wastes. The company can do a lot more for them than Detrix or Safety Clean. They are taking all liquid wastes, including the perchloroethylene and plating wastes and some solids as well.

I reviewed a manifest from February 2001. This was a non-hazardous group that included waste oil, used oil absorbent pigs, and waste Ni plating solution.

A new control panel and set of probes were installed on the plating/finishing pretreatment system. The new system started up on April 3, 2000. Frank Mrozcka said the new probes are flat, instead of having a bulb on the end, so they stay cleaner. He said the system has not needed as much adjustment as the old one when he calibrates it. A log is maintained in plating, recording water usage, types of plating and finishing work being done, sampling information and the results of pH and ORP calibrations. Gary and Frank collect the samples and then switch off driving the samples to Enviro-Test.

The Safety-Kleen parts washer was removed when they moved to Heritage at the end of 2000. The building on Janes still has a unit, now serviced by Heritage.

Drummed chemicals, both fresh and waste, are stored in a corner of the manufacturing area. They are moved in and out by forklift. The materials that may be found here are perchloroethylene, oil, oil absorbent materials, and plating solutions. Mr. MacDaniel said he still has empty drum storage outside, but Heritage will be taking those soon. They come once a month and pick up what needs to be hauled off.

No problems were found on the inspection. Tricon has a good compliance history, being without a permit excursion since October of 1996.

### DOWNERS GROVE SANITARY DISTRICT Industrial Site Inspection Report

Facility Name:

TRICON INDUSTRIES, INC. Address: 2325 Wisconsin Avenue Downers Grove, IL 60515

Date and Time of Inspection:

Thursday, January 18, 1991; 0930 Hours

Facility Representatives:

Susan Grandle, Human Resources Manager Larry McDaniel, Flant Superintendent

Telephone Number:

964-2330

District Representatives:

Janet Lacina, Laboratory Services Director

Dave Feldner, Sample Collector

Purpose of Inspection: The inspection was a routine visit for the verification of compliance. The date and time were scheduled the previous week to assure that personnel responsible for pretreatment would be available.

General Information: There were no changes to process operations or wastewater characteristics during the past year. Mr. McDaniel is now working with the plating staff mainly in supervision and operations, while the paperwork is still going to Ms. Grandle who is responsible for submitting reports.

Mr. McDaniel has revised the written Spill Prevention, Containment and Control (SPCC) plan and plating operation plans which will be available next week. I requested copies of the new SPCC for their file. I asked them if there was a slug prevention plan, describing what actions would be taken if a tank leaked or ruptured or if an operator made a mistake. Mr. McDaniel said they have dams in the department for smaller spills. I explained that currently there was no way to shut the system down, the spill would go down the floor drain to the sump and out. There is no valve or physical separation that would sequester the material for proper removal and disposal. They will look into some means to provide a shut off in their system.

No additional personnel have been certified. Susan Grandle stated that it is still their intension to have Frank certified. I told them is he needs additional help to contact me since their are study questions available. These would be especially helpful if the math section of the exam was the problem.

<u>Plating Department and Pretreatment System:</u> The plating department has a new pH meter. The pH excursion last year was due in part to a bad meter but the electrode wire ha a short which further exacerbated the problem. All is operating now. Sampling is still done in house, with composites flow proportioned and grabs taken at their respective locations, CN at the destruction pit, metals at the inspection tank. Samples are delivered to Envirotest for analysis.

No sludge was removed or any cleaning done of the settling tank. The last removal was in July of 1989.

Chemical and Waste Chemical Storage: Tricon has been reducing the number and amount of chemicals on site, having removed a freon vapor degreaser and discontinued the use of 1,1,1, trichlorethylene. The types still in use include a perchloroethylene (Perk), isopropanol, machine oils, hydraulic oils and the caustic and acids used in the pretreatment system.

Isopropanol is used in the ribbon soldering area. It is stored in a flammable storage cabinet. The Perk is used in the plating area and is stored either in the department or in the hall outside.

Hydraulic oils are stored at different location in the plant and transferred to the point of use when needed. Machine oils are stored in a flammables storage cabinet in the stamping room.

Wastes are segregated and kept on a loading dock area. Each of the waste drums are labeled, alcohol, perk or the specific oil. Solvents are manifested out every 90 days, while plating solutions are shipped out as needed. The oils and solvents are reclaimed the plating solutions were formerly landfilled but Mr. McDaniels has found a company in Texas that reclaims the nickel.

Generally, Tricon is in compliance with the permit, however the following items must be addressed as soon as possible.

- 1. Personnel supervising the plating/finishing department pretreatment system should be Class K certified.
- Renewal of IEPA water pollution permit # 1984-EB-1508 for operation o the plating pretreatment system, which expired on December 1, 1989.
- Provide a slug control plan which describes what actions would be taken to prevent the discharge of accidentally spilled or leaked materials.

I renewal application requested on Gan. 18, 1991.

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-0703 708-969-0664

Providing a Better Environment for South Central DuPage County

January 21, 1991

STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Susan Grandle Human Resources Manager Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

### Dear Ms. Grandle:

The inspection conducted January 17, 1991 at your facility indicated that your procedures are generally in compliance with the permit requirements. A copy of the inspection report is enclosed for your review. Within thirty (30) days from the date of this letter, you should respond in writing to the actions taken regarding the recommendations made in the inspection summary:

- 1. Personnel supervising the plating/finishing department pretreatment system should be Class K certified.
- 2. Renew IEPA water pollution permit # 1984-EB-1508 for operation of the plating pretreatment system, which expired on December 1, 1989.
- 3. Provide a slug control plan which describes what actions would be taken to prevent the discharge of accidentally spilled or leaked materials through the plating department pretreatment system. This plan should be similar to a spill contingency plan and include specific actions to be taken by operators to prevent the discharge, clean up and dispose of these materials as well as personnel and outside agencies to notify.

I have enclosed information on wastewater training courses offered through the University of California at Sacramento. They have several courses related to wastewater treatment but I would recommend, <u>Treatment of Metals Wastestreams</u> for Frank. The books can be purchased alone or with enrollment in the correspondence course. This is the type of material that is included in the certification exam and would be a better study aid than the material I have, which it is more for sanitary wastewater treatment.

Please forward a copy of the revised Spill Containment and Control Plan when it is available and feel free to call me if you have any questions.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

and the Laura

Laboratory Services Director

Enclosure

### DOWNERS GROVE SANITARY DISTRICT Industrial Site Inspection Report

Facility Name: TRICON INDUSTRIES, INC.
Address: 2325 Wisconsin Avenue

Downers Grove, IL 60515

Date and Time of Inspection: Thursday, January 18, 1991; 0930 Hours

Facility Representatives: Susan Grandle, Human Resources Manager

Larry McDaniel, Flant Superintendent

Telephone Number: 964-2330

District Representatives: Janet Lacina, Laboratory Services Director

Dave Feldner, Sample Collector

<u>Purpose of Inspection</u>: The inspection was a routine visit for the verification of compliance. The date and time were scheduled the previous week to assure that personnel responsible for pretreatment would be available.

General Information: There were no changes to process operations or wastewater characteristics during the past year. Mr. McDaniel is now working with the plating staff mainly in supervision and operations, while the paperwork is still going to Ms. Grandle who is responsible for submitting reports.

Mr. McDaniel has revised the written Spill Prevention, Containment and Control (SPCC) plan and plating operation plans which will be available next week. I requested copies of the new SPCC for their file. I asked them if there was a slug prevention plan, describing what actions would be taken if a tank leaked or ruptured or if an operator made a mistake. Mr. McDaniel said they have dams in the department for smaller spills. I explained that currently there was no way to shut the system down, the spill would go down the floor drain to the sump and out. There is no valve or physical separation that would sequester the material for proper removal and disposal. They will look into some means to provide a shut off in their system.

No additional personnel have been certified. Susan Grandle stated that it is still their intension to have Frank certified. I told them is he needs additional help to contact me since their are study questions available. These would be especially helpful if the math section of the exam was the problem.

<u>Plating Department and Pretreatment System</u>: The plating department has a new pH meter. The pH excursion last year was due in part to a bad meter but the electrode wire ha a short which further exacerbated the problem. All is operating now. Sampling is still done in house, with composites flow proportioned and grabs taken at their respective locations, CN at the destruction pit, metals at the inspection tank. Samples are delivered to Envirotest for analysis.

They had a surge protector blow on the control panel, sometime in

No sludge was removed or any cleaning done of the settling tank. The last removal was in July of 1989.

Chemical and Waste Chemical Storage: Tricon has been reducing the number and amount of chemicals on site, having removed a freon vapor degreaser and discontinued the use of 1,1,1, trichlorethylene. The types still in use include a perchloroethylene (Perk), isopropanol, machine oils, hydraulic oils and the caustic and acids used in the pretreatment system.

Isopropanol is used in the ribbon soldering area. It is stored in a flammable storage cabinet. The Perk is used in the plating area and is stored either in the department or in the hall outside.

Hydraulic oils are stored at different location in the plant and transferred to the point of use when needed. Machine oils are stored in a flammables storage cabinet in the stamping room.

Wastes are segregated and kept on a loading dock area. Each of the waste drums are labeled, alcohol, perk or the specific oil. Solvents are manifested out every 90 days, while plating solutions are shipped out as needed. The oils and solvents are reclaimed the plating solutions were formerly landfilled but Mr. McDaniels has found a company in Texas that reclaims the nickel.

<u>Summary</u>: Generally, Tricon is in compliance with the permit, however the following items must be addressed as soon as possible.

- 1. Personnel supervising the plating/finishing department pretreatment system should be Class K certified.
- 2. Renewal of IEPA water pollution permit # 1984-EB-1508 for operation of the plating pretreatment system, which expired on December 1, 1989.
- 3. Provide a slug control plan which describes what actions would be taken to prevent the discharge of accidentally spilled or leaked materials.

## TRICON INDUSTRIES INCORPORATED ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

February 21, 1991

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street - P.O. Box 1412 Downers Grove, IL 60515-0703

Dear Ms. Lacina:

Please find enclosed a copy of our updated contigency plan. Larry McDaniel is reviewing the additional material you sent regarding the slug control in case of a spill. He may be calling you to discuss some of his thoughts on that to make sure we are on the right track. I will send you a copy of the final copy when it is completed.

As you know, I spoke with the IEPA regarding our permit renewal. I appreciate your help in getting the correct information. The letter I sent requesting the application for renewal was dated January 22, 1991. I have not heard anything at this point regarding that.

Thank you again for sending out the additional material I requested and for your assistance with the permit renewal. I will keep in touch.

Sincerely,

Ms. Susan Grandle

Human Resources Manager

Susan Grande

ROARD OF TRUSTEES Hugh A. Williams, Jr. President Herbert R. Reich Vice-President Donald E. Eckmann



2710 Curtiss Street P.O. Box 1412

Downers Grove, IL 60515-1412 1-312-969-0664

**DuPage** County

Providing a Better Environment for South Central

March 5, 1990

Susan Grandle Human Resources Manager Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

RE: Response to notices of violations issued to Tricon Industries, Inc.

Dear Ms. Grandle:

Your response to the permit excursions cited in January has been reviewed and found to be adequate. I would appreciate having a copy of the revised procedures for review.

I have enclosed the results of monitoring done in February, which verifies a return to compliance.

> Sincerely, DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Administrative Services

Michael C. Wiedel

Operations Director

LEGAL COUNSEL

General Manager

Janet M. Lacina

Laboratory Services Director

JML/JML

\*BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664

Providing a Better Environment for South Central

DuPage County

January 23, 1990

STAFF

Lawrence C. Cox

Ralph E. Smith, Jr.
Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL Michael C. Wiedel

Susan Grandle Personnel Director Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

RE: Notice of Violation.

Dear Ms. Grandle:

During the District's menitoring, the pH of the pretreated effluent was found to be in violation of the upper pH limit stated in the permit, which is 9 standard units. The Sample Collector noticed that the samples collected for Wednesday and early Thursday, January 17 and 18, had a pH over 11. These high pH values were found in bottles which were acidified prior to sampling. These same high values were found in the samples for the remainder of Thursday and early Friday.

I called the plating department Thursday afternoon and talked to Gary, Frank had left for the day. Frank called me Friday morning and said he had found the pH probes were off calibration, which he determined by checking them with fresh pH standards. He could not explain what happened although he thought it might have something to do with the high hypochlorite level he found earlier in the week.

A written response, explaining what happened and the actions that will be taken to prevent a reoccurrence is required. It should address the normal procedures used to calibrate the pH probes and what checks are made during the day to evaluate performance. This response must be received by the District within ten (10) days from the date of this letter.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director



### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

January 30, 1990

Ms. Janet Lacina
Downers Grove Sanitary District
2710 Curtiss Street
P.O. Box 1412
Downers Grove, IL 60515

Dear Ms. Lacina: -

This letter is in response to your notice of violation dated January 23, 1990.

The high pH reading was noted on the pre-treatment log dated January 18, 1990. The sodium hypochlorite metering pump was running continuously. Upon further investigation, a Potter & Brumfield relay was found to be defective in the control panel. (relay part #2263 R10SE1Y J1.0K) The high pH reading was called to Frank Mroczka's attention when he received a phone message from the Downers Grove Sanitary District. The call came in at approximate 3:00 P.M., after Frank Mroczka had left for the day. The following morning, Frank Mroczka checked all the systems and found that the cyanide pH controller was out of calibration. After adjusting the controller and calibrating it, the system started to balance out.

The pH controllers are cleaned and checked every Monday morning. This incident occurred on a Wednesday through Thursday. The cause of the incident is not known for sure. Frank Mroczka's theory is that too much hypochlorite was in the pit causing the probe to signal the controller. This in turn caused it to be out of calibration because the relay was stuck in the open position.

A\_new relay was installed immediately after this problem was discovered.

The normal procedure for calibrating the pH probes is first to clean the probes and then they are calibrated using a 7.0 and 10.0 buffer. The meters are monitored and the readings are logged every hour to ensure proper levels.

If there is any more information which you will need, please contact me.

Sincerely,

Susan Grandle

usan Grandle

Human Resources Manager



### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

March 6, 1990

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Lacina:

On January 31, 1990, we received the lab results from Enviro-Test/Perry Laboratories, Inc., regarding the testing for chromium, cadmium, and lead. Below are the results.

Sample Date	Test Parameter	Amount
 01/22/90	Chromium	LT .05
01/22/90	Cadmium	LT .05
01/22/90	Lead	.09

If you have any questions, please contact me. We will run this test every July as originally set up.

Sincerely,

Ms. Susan Grandle

Human Resources Manager

Susan Grandle

### DOWNERS GROVE SANITARY DISTRICT Analytical Results

Report Date: February 27, 1990 Analysis Date: February 09, 1990

Sample Number: 10845 10846

Sampling Location: TRICON INDUSTRIES, INC.

Plating Department Inspection Tank

8 PPB

2/08 90 2/07/90 Date: ISCO COMP ISCO COMP Sample Type:

**PARAMETERS** 

NA Total Antimony NA Total Arsenic NA NA Total Barium NΑ NA Total Beryllium NA NA Total Cadmium NA NA Total Chromium < 50 PPB LT 50 PPB Hexavalent Chromium NA NA 928 PPB 957 PPB Total Copper Total Iron NA NA Total Lead NA NA Total Manganese NA NA NA Total Mercury NA 1330 PPB Total Nickel 1110 PPB Total Selenium NA NA 49 PPB Total Silver 23 PPB Total Thallium NA

Sample Number: 10844

Sampling Location: TRICON IND., INC.

CN Destruction Fit

NA

7 PPB

2/06/90 Date: Sample Type: Grab Sample Time: 1107

PARAMETERS

Total Zinc

Total Cygnides (PPM) LT .01

All sampling and analytical methods are in accordance with 40 CFR Part 136.



### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60517 4076 342 964-2339 FAX 342-964-3473

April 3, 1989

Ms. Janet Lacina

Downers Grove Sanitary District
2710 Curtiss Street

Downers Grove, IL 60515

Dear Ms. Lacina:

Attached is a copy of the blue print for our cleaning/plating operation. This print contains elevations for the effluent system. I am also including a revised change to our operating permit.

Per your letter, below is a summary of the items you requested:

- 1) We have arranged for sampling and waste treatment and disposal of the plating/finishing sludge in our settling tank. This tank should be pumped clean as soon as we confirm the appropriate paper work.
- 2) The brown-grey solids that you reported finding in our effluent are from the plastic\_parts that we clean.
- - 4) Our average water usage for the last 60 days is 7,066 gallons.
- 5) Please note that the attached diagram indicates a straight line of flow through the settling tank. We are looking at the possibility of changing that when the tank is pumped dry. Instead of a straight line, we will probably have the incoming line in the northeast corner of the pit and change the outgoing to the southwest corner of the tank. This should allow less chance of immediate flow through.
- 6) We will also keep records of each activity performed for every work day. As an example: on February 27, we had a high reading of nickel. We found that a job we plate for Motorola was such a small component that we were dragging too much solution into the rinse tanks. This analysis will help to identify specific problems.
- 7) Enviro-Test Laboratories has been notified that anytime a reading of 3.1 nickel or higher and 2.7 copper or higher occurs, we want the sample to be re-tested with a second report.

8) We will temporarily establish a small sediment collection bucket on the effluent from our large vibratory bowl. This will be emptied three times per week into a holding drum. We will also look into some type of filter system if this improves the general effluent.

In regard to your letter dated February 23, we are still at a loss to explain the high zinc levels. We have determined that one part we clean is an alloy containing 70% copper and 30% zinc. This part is very seldom cleaned at our facility (about 10-20 work days in the last six months). The next time we clean that part, we will take a water sample to determine if that is the source.

We are modifying our request for change to our operating permit (see attached). This change is because our average water usage for the last 50 days has only been 7,066 gallons, and the average for 1988 was only 5,732 gallons per day. The original estimate of 8,500 gallon flow will be more than adequate.

We ask that you approve the attached request for change to our operating permit. Your assistance is greatly appreciated.

Sincerely

Frank Essig

cc: Larry McDaniel, Plant Superintendent Frank Mroczka, Plating Foreman Ralph Grandle, Executive Vice President

4th Q18

, . ·) -;-12: 5 ÷ 10:00 + ÷ 1. 10 , , 0 ÷ 256.0 ÷ 0'3 : 1 ÷ ~ () ( ÷ 8.5190• 3:250 ÷ 7:410 4 1.250 1. ÷ - 2-0 19230 + J. (30) -+ J. 110 + ÷ 2...10 -;-0.230 ÷ j: 79 ÷ 5: 0: ÷ : 210  $J_{i}.$ 1:170 ÷  $\tilde{\mathcal{Q}}_{\mathcal{I}} \cap \mathcal{Q}_{\mathcal{I}}$ + . . . 0 ÷ . 170 ÷  $\beta_1 = 0.0$ + :490-+ √:1.70-+ 12000 4-T: 50 ţ. 0. 20 + 0.0 ÷ 7: 70 ...(40 + 10:50 ÷ J:0 0: ÷ 1.:070 + ...400 J. 740  $\dot{\gamma}$ 0.790  $G_{i}, f^{i}$ + 1 - 730 +  $C_{i,j} \in \mathbb{N}_{k}(G)$ + ... 00 4-\$65 (20) ÷ J: 4.204-1: 1:TO + 755 3 ÷ : 670 + ្រំបំ -¦-

<del>-;-</del>



### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 312 (964-2330 FAX 312-964-5179

April 3, 1989

Ms. Janet Lacina
Downers Grove Sanitary District
2710 Curtiss Street
Downers Grove, IL 60515

Dear Ms. Lacina:

Attached is a copy of the blue print for our cleaning/plating operation. This print contains elevations for the effluent system. I am also including a revised change to our operating permit.

Per your letter, below is a summary of the items you requested:

- 1) We have arranged for sampling and waste treatment and disposal of the plating/finishing sludge in our settling tank. This tank should be pumped clean as soon as we confirm the appropriate paper work.
- —2) The brown-grey solids that you reported finding in our effluent are from the plastic parts that we clean.
- - 4) Our average water usage for the last 60 days is 7,066 gallons.
- 5) Please note that the attached diagram indicates a straight line of flow through the settling tank. We are looking at the possibility of changing that when the tank is pumped dry. Instead of a straight line, we will probably have the incoming line in the northeast corner of the pit and change the outgoing to the southwest corner of the tank. This should allow less chance of immediate flow through.
- 6) We will also keep records of each activity performed for every work day. As an example: on February 27, we had a high reading of nickel. We found that a job we plate for Motorola was such a small component that we were dragging too much solution into the rinse tanks. This analysis will help to identify specific problems.
- 7) Enviro-Test Laboratories has been notified that anytime'a reading of 3.1 mickel or higher and 2.7 copper or higher occurs, we want the sample to be re-tested with a second report.

6) We will temporarily establish a small sediment collection bucket on the effluent from our large vibratory bowl. This will be emptied three times per week into a holding drum. We will also look into some type of filter system if this improves the general effluent.

In regard to your letter dated February 23, we are still at a loss to explain the high zinc levels. We have determined that one part we clean is an alloy containing 70% copper and 30% zinc. This part is very seldom cleaned at our facility (about 10-20 work days in the last six months). The next time we clean that part, we will take a water sample to determine if that is the source.

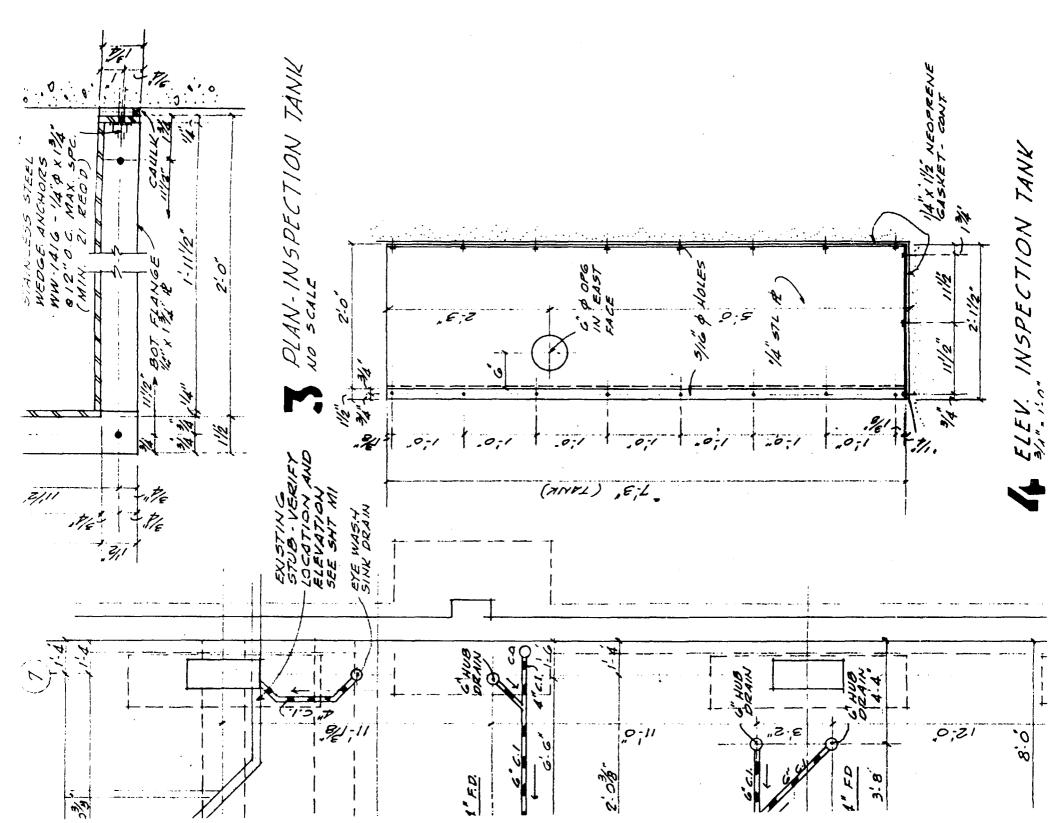
We are modifying our request for change to our operating permit (see attached). This change is because our average water usage for the last 50 days has only been 7,066 gallons, and the average for 1988 was only 5,732 gallons per day. The original estimate of 8,500 gallon flow will be more than adequate.

We ask that you approve the attached request for change to our operating permit. Your assistance is greatly appreciated.

Sincerely

Frank Essig

cc: Larry McDaniel, Plant Superintendent Frank Mroczka, Plating Foreman Ralph Grandle, Executive Vice President



••			
,			
		7 ·	



### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

February 22, 1990

Ms. Janet Lacina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Lacina:

This letter is in response to your response to the notices of violation dated February 9, 1990.

- 1. pH violation Corrective Action: The pH level from the cyanide and acid treatment pits are currently recorded hourly from the automatic pH control. The benchtop pH meter is used to test the inspection tank three times per month. The benchtop pH is also used to calibrate the probes from the automatic controllers weekly. We will institute a pH paper check of the inspection tank and record the level on a daily basis as a form of cross checking the pH readings. This check will be made prior to start-up every morning. When this procedure is formalized, I will send you a copy of the policy.
- High copper and silver excursions Corrective Action: the pit, a 6" P.V.C. pipe was extended to the far corner of the heavy metal pit to allow more time and area for settlement of metal floc. On our large vib, which is mostly used with copper parts, there is currently a basket designed to catch any metal prior to reaching the drain. We will add a filter to the basket catch any additional metal that may not have been caught by the basket alone. The settlement tank from the large vib is cur-Also, we will add the same rently cleaned and recorded weekly. type of filter to our two small vibs, which are used for silver We will change our policy to reflect more frequent parts. maintenance checks and cleaning of the basket currently in use, and develop a policy to check the filters which | will be added. When these policies are formalized, I will send you a copy.

Enclosed is a layout of a portion of our Plating Department which shows the pit and the vibs. The highlighted line in the pit marks the addition of the P.V.C pipe and the outlet into the septic system. The highlighted circles mark the three drains for each vib which will have the filter added.

February 22, 1990

#### Sanitary District Letter

As mentioned, documentation for these changes will be sent as soon as possible.

We will continue to work with you to ensure that we are complying with every guideline. If additional information is needed, or if we need to make further changes, please contact me.

Sincerely,

Susan Grandle

Human Resources Manager

usan Grandle

**BOARD OF TRUSTEES** Hugh A. Williams, Jr. President Herbert R. Reich Vice-President Donald E. Eckmann Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664

LEGAL COUNSEL Michael C. Wiedel

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschell

Administrative Services

General Manager

Operations Director

Providing a Better Environment for South Central **DuPage** County

February 9, 1990

Susan Grandle Human Resources Manager Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

RE: Response to notices of violations issued to Tricon Industries, Inc.

Dear Ms. Grandle:

The letters written in response to the two notices of violation from the District have been reviewed. I have commented on these letters and specified further actions to be taken on Tricon's part to assess compliance.

1. Letter dated January 30, 1990, which dealt with the pH excursion:

The response made to the pH violation described the likely cause . for the pH probes being off calibration but does not indicate what actions Tricon intends to prevent a reoccurrence.

Past inspections indicated that the pH was checked daily by personnel using the bench top pH meter. If so, why did wasn't the pH deviation detected by plating personnel? If daily pH checks are not being made, this must be made a standard procedure for plating personnel to verify the probe calibration and prevent this type of problem in the future

2. Letter dated February 5, 1990, concerning the metals excursions:

This response is incomplete and not acceptable as written. questions of cause and preventive measures are not addressed.

It is the District's real concern that Tricon's personnel do not understand the operation of the pretreatment system, its capabilities and limitations. The type of plating work done on the day of an excursion may or may not have bearing on the occurrence of the excursion. The condition of the pretreatment system is overlooked in the response. What about: a) the

possibility of a hydraulic surge problem through the pretreatment system which disturbed the metal floc in the large settling basin, resulting in a discharge of the floc, or b) the fact that there was a pH related problem during that period, what effect this would have on the system. I am sure there are many more possibilities which someone familiar with the system could identify.

These daily pH readings should be instituted immediately and a further consideration of the metals excursion made with a written response submitted within fifteen (15) days from the date of this letter.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox General Manager

JML/jml

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Peich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664 Administrative Services
Director

LEGAL COUNSEL

Michael C, Wiedel

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Operations Director

General Manager

STAFF

Providing a Better Environment for South Central DuPage County

January 8, 1990

James E. Hansen Plant Manager Tricon Blazing Alloys 5000 Chase Street Dowers Grove, IL 60515

Dear Mr. Hansen:

Your facility is included in the Downers Grove Sanitary District's solvent and toxic materials management program, the purpose of which is to prevent the accidental or deliberate discharge of toxic material into the sanitary sewer system and provide assistance in the event of a discharge. Because of the materials in use or storage at your facility you are required to report to the District twice yearly in January and July, filing reports for the previous six month period.

A prohibited materials discharge report form is enclosed for you to complete for the period of July 1 through December 31, 1989. For any discharges, please describe the incident fully, the volume and nature of the material involved, how the material was cleaned up and disposed of and who was notified of the situation. If no discharges occurred during the reporting period, you shall certify that by checking the certification statement.

This would also be an appropriate time to review your spill containment or solvent management plan on file and update it if any procedural changes have been made. If there have been any changes, please contact me so the plan on file with the District can be updated.

The enclosed report must be completed, signed and returned to the District by January 31, 1990. Please feel free to call me if you have any questions regarding these reporting requirements.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

Enclosure

#### DOWNERS GROVE SANITARY DISTRICT Prohibited Materials Discharge Report July 1, Through December 31, 1989

Company Name: TRICON BRAZING ALLOYS
Address: 5000 CHASE STREET
DOWNERS GROVE, IL 60515
Report Completed by: JAMES E. HANSEN
Title: PLANT MANAGER Phone: 708/963-0220
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.
(Please attach additional pages)
(Please attach additional pages)  If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
If no discharges occurred during the reporting period, please indicate
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.  X "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.  X "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."  All reports must be signed by an Authorized Agent of the company named above:  Name of Authorized Agent:  JAMES E. HANSEN  (Type or Print)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

#### DOWNERS GROVE SANITARY DISTRICT Analytical Results

Report Date: JANUARY 25, 1990 Analysis Date: JANUARY 23, 1990, silver JANUARY 25, 1990.

Sample Number: Sampling Location:		10829 ICON INDUSTRIES	=											
Plating Dept. Pretreated Wastewater-Insp. Tank Sampling Date: 01/16/90 01/17/90 01/18/90														
Sample Type:	ISCO COMP	ISCO COMP	ISCO COMP											
PARAMETERS														
Total Arsenic	NA	NA	NA											
Total Barium	NA	NA .	NA											
Total Beryllium	NA	NA	NA											
Total Cadmium	NA	NA	NA											
Total Chromium	<.05 PPM	<.05 PPM	<.05 PPM											
Hexavalent Chromium	NA	NA	NA											
Total Copper	.44 PPM	.29 PPM	4.1 PPM											
Total Iron	NA	NA	NA											
Total Lead	.06 PPM	.10 PPM	.22 PPM											
Total Manganese	NA	NA	NA											
Total Mercury	NA	NA	NA											
Total Nickel	.33 PP <b>M</b>	1.1 PPM	2.1 PPM											
Total Selenium	NA	NA	NA											
Total Silver	.10 PPM	.13 PPM	.78 PPM											
Total Zinc	.08 PPM	.06 PPM	.75 PPM											

All analyses in accordance with 40 CFR Part 136.

READD OF TRUSTEES Hugh A. Williams, Jr. President Herbert R. Reich

Vice-President Donald E. Eckmann Clerk



2710 Curtiss Street P.O. Box 1412

Downers Grove, IL 60515-1412 1-312-969-0664

Providing a Better Environment for South Central **DuPage** County

January 29, 1990

Susan Grandle Personnel Director Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

RE: Notice of Violation-Copper and silver excursions

Dear Ms. Grandle:

Analysis of samples collected during the District's monitoring of the plating department's pretreated wastewater at Tricon's Wisconsin Avenue facility, indicated that the sample collected from 0930 hours Thursday January 18 to 0930 hours on January 19, 1990, the silver and copper concentrations exceeded the maximum daily limit stated in the permit. The permit limits and concentrations found in the samples are summarized below:

Total copper	3.38 mg/L	4.10 mg/L
Total silver	0.43 mg/L	0.78 mg/L

Permit Daily Maximum

These excursions constitute two violations of the discharge permit.

Based on the above findings, you are hereby notified of these violations and have ten (10) days from the receipt of this letter to respond in writing to the District, describing possible causes of the violations and the measures to be taken to prevent a recurrence of the violations.

> Sincerely. DOWNERS GROVE SANITARY DISTRICT

**Sample 10383** 

STAFF

Director

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Administrative Services

Michael C. Wiedel

Operations Director

LEGAL COUNSEL

General Manager

Lawrence C. Cox

District General Manager

JLM/jml Enclosure



#### TRICON INDUSTRIES INCORPORATED

**ELECTROMECHANICAL DIVISION** 

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 708/964-2330 FAX 708/964-5179

February 5, 1990

Ms. Janet Lacina
Downers Grove Sanitary District
2710 Curtiss Street
P.O. Box 1412
Downers Grove, IL 60515
Dear Ms. Lacina:

This letter is in response to your notice of violation dated January 29, 1990.

The high silver and copper concentrations found in the sample collected from Thursday, January 18 through Friday, January 19, can not be explained. On January 18, our Plating Department was only using soft gold (Orotemp 24). On January 19, our Plating Department was only using electrolytic nickel (Nickel Sulfamate) an soft gold (Orotemp 24). I also checked what was used on January 17. Electroless nickel (NI416M) was all that was used in the Plating Department on that day. In addition, there is not a possibility that someone could have used copper or silver in the department without Frank Mrozcka's, (the Plating Supervisor) knowledge.

Because our Plating Department did not use silver or copper during those days when the sample was taken, I can not explain where the high readings came from.

If there are any questions or if any more information is needed, please contact me.

Sincerely,

Susan Grandle

Human Resources Manager

Susan Grendle

## DOWNERS GROVE SANITARY DISTRICT Industrial Inspection Report

Facility Name: TRICON INDUSTRIES, Inc.

Address: 2325 Wisconsin

Downers Grove, IL 60515

Date and Time of Inspection: Thursday, January 18, 1990, 0930 Hrs.

Facility Representative: Susan Grandle, Fersonnel Director

Telephone Number: 964-2330

<u>District Representative</u>: Janet Lacina, Laboratory Services Director

David Feldner, Sample Collector

<u>Furpose of Inspection</u>: This was a routine inspection of the facility for pretreatment compliance assurance. It was scheduled in advance with Ms. Grandle.

General Plant Update: The chief processes and operations of the plant have not changed since the last inspection. The welding and soldering operations are now in a building at 5402 Janes, one block away. The area formerly occupied by this department is being set up for packing.

Ms. Grandle has replaced Frank Essig as Personnel Director a week ago. She will be involved in pretreatment reporting and record keeping, however the responsibilities of the Safety Director will be taken on by a new employee who will be hired within the next one to two months. Currently, the only certified operator on site is Gary. Frank Mroczka, who is the Plating Department Supervisor, is not certified, but Tricon plans to get him certified as soon as possible.

Reporting and Record Keeping: I reviewed the laboratory reports for October 1989, the sample IDs were not specific enough for the metals samples with the grab sample simply identified as "grab sample" and the composite only as "wastewater". I explained to Ms. Grandle that the sampling location, the inspection tank in this case, and type of sample, composite or grab, should be clearly identified on samples and reports.

The IEPA operating permit for the pretreatment facility expired in December 1989, Ms. Grandle was not aware of any renewal being processed.

The discharge permit for Tricon required an annual reporting for the metals parameters which are not normal constituents of the wastewater. No report was submitted in 1989, I asked that Ms. Grandle review the results to see if the analyses were done but not reported, and if none are found to go ahead and submit a sample for analysis.

The Inspection tank condition is checked every three months by the cleaning department. I asked Ms. Grandle if there were any records of the last cleaning, she will have to check since this is a new procedure and the tank was just cleaned in July of 1989.

I talked with Mr. Mroczka about the copper excursion, which occurred on November 6. He said that an operator was plating some bushings and did not let the plating barrel drain over the plating tank long enough before placing it into the rinse tank.

Flating Department and Pretreatment System: The plating department is operating from 0645 to 2300 Hours daily. Saturday operations are infrequent. The procedures in the plating department have not changed. Normally Gary does all the sampling work. Cyanide samples are taken at the correct sampling point (the cyanide destruction pit) and properly preserved. All the samples collected during the day are turned over to the shipping department which delivers them to the analytical lab.

When the settling basin and inspection tank were cleaned in July '89, the inlet line was restructured to include a 90 degree elbow which extends to about one foot from the bottom of the tank. The outlet is unchanged and has no elbow.

No major repairs have been made to the pretreatment system beyond probes, and pumps. a bad relay was causing the hypochlorite pump to run continuously and was replaced. The alarm system on the tanks is checked for operation daily.

<u>Plant Walk Through:</u> No changes to chemical storage, handling or disposal except that the solvents stored in the welding and soldering department are now in another building.

<u>Summary</u>: Overall this facility is meting the requirements of the permit, however, the followinf points were noted and should be addressed as soon as possible:

- The status of the IEPA operating permit for the pretreatment system should be determined and renewed if necessary.
- 2. A report submitted for the cadmium, chromium and lead parameters in accordance with the permit.
- 3. The operation of the pretreatment system must be under the direct and active supervision of a Class K, certified operator. Mr. Mroczka should be certified as soon as possible. The District should be informed when additional staff become certified.
- 4. The laboratory results must clearly state the location sampled and type of sample. Each result should state either the cyanide pit or inspection tank and whether it is a grab or composite sample.



**BOARD OF TRUSTEES** Hugh A. Williams, Jr. Herbert R. Reich Vice-President Donald E. Eckmann

Clerk



27 10 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664

Providing a Better Environment for South Central

**DuPage** County January 19, 1990

District

LEGAL COUNSEL Michael C. Wiedel

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Administrative Services

General Manager

Operations Director

STAFF

Director

Susan Grandle Personnel Director Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

#### Dear Sue:

I have enclosed a copy of the inspection report from our visit on January 18, 1990, if you have any comments, please call me.

I have summarized the information or tasks which are required to bring Tricon's status up to date. The first four items are the same as those listed at the end of the inspection report

- Review the status of the IEPA operating permit, and contact the IEPA in Springfield to determine if renewal is necessary. Candy Morin is the Pretreatment Coordinator for Illinois and can help you. Her telephone number is (217) 782-0610.
- The laboratory results should be reviewed for 1989 to determine of one of the composite samples was analyzed for cadmium, chromium and lead. If no results are available, please have the work done on one of the composites this month.
- Frank Mroczka should become certified and any additional personnel, such as yourself or the Safety Director.
- Please discuss with Frank the proper labeling of the samples and 4. if the lab continues to report the sample location in an ambiguous manner, ask them to use the specific location.
- 5. The list of current environmental permits held, numbers and expirations dates.
- The last date the plating department inspection tank was checked 6. by the Cleaning Department. C. Calloway

The volume of sludge and or liquid waste hauled by Chemical Waste Management when the settling tank was cleaned in July of 1989.

I will be preparing the permit application/renewal form and will send it to you as soon as possible.

Please feel free to call me if you have any questions.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

Enclosure

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Cierk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664

Providing a Better Environment for South Central DuPage County

January 23, 1990

Susan Grandle Personnel Director Tricon Industries, Inc. 2325 Wisconsin Downers Grove, IL 60515

RE: Notice of Violation.

Dear Ms. Grandle:

During the District's monitoring, the pH of the pretreated effluent was found to be in violation of the upper pH limit stated in the permit, which is 9 standard units. The Sample Collector noticed that the samples collected for Wednesday and early Thursday, January 17 and 18, had a pH over 11. These high pH values were found in bottles which were acidified prior to sampling. These same high values were found in the samples for the remainder of Thursday and early Friday.

I called the plating department Thursday afternoon and talked to Gary, Frank had left for the day. Frank called me Friday morning and said he had found the pH probes were off calibration, which he determined by checking them with fresh pH standards. He could not explain what happened although he thought it might have something to do with the high hypochlorite level he found earlier in the week.

A written response, explaining what happened and the actions that will be taken to prevent a reoccurrence is required. It should address the normal procedures used to calibrate the pH probes and what checks are made during the day to evaluate performance. This response must be received by the District within ten (10) days from the date of this letter.

Sincerely,
DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel

Administrative Services

Michael C. Wiedel

Operations Director

LEGAL COUNSEL

General Manager

Janet M., Lacina

Laboratory Services Director



#### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515 4076 312 / 964-2330 FAX 312-954-5179

April 3. 1989

Ms. Janet Lacina Laboratory Services Director Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Lacina,

Please be advised that we wish to revise our pretreatment permit to reflect some upcoming production requirements. Up until now, we have been working between nine 9 to 18 hours per day. We anticipate the need to increase some of our activities to a 24 hour per day operation. We therefore request the following changes:

- We wish to change the maximum hours of operation to 24 hours for our tubbing and cleaning operations. Plating operations would still be limited to a maximum of 11 hours per day. therefore, the 24 hour maximum would only apply to the pH treatment. Effluent requiring cyanide destruction would remain unchanged.
- 2) With this change to a 24 hour schedule, we anticipate an average water usage of 8,500 gallons per day and a maximum of 16,000 gallons per day.
- 3) We will utilize the 8' clarifier pit.
- 4) We do anticipate an occasional Saturday, operating 5 to 8 hours using no more than 6,500 gallons.
- 5) We will establish a small sediment collection bucket on our large vibratory operation.

Please let us know as soon as possible if this request will be approved. Your assistance is greatly appreciated.

Sincerely

Frank Essio

# 000

#### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2425 Wicconsin Avenue, Dozeners Grove, Illinois 60515-4076-3427 964-2330 FAX 342-964-5179

January 19, 1989

Ms. Janet Lacina Laboratory Services Director Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Dear Ms. Lacina,

Please be advised that we wish to revise our pretreatment parmit to reflect some upcoming production requirements. Up antil now, we have been working between nine 9 to 18 hours per day. We anticipate the need to increase some of our activities to a 24 hour per day operation. We therefore request the following changes:

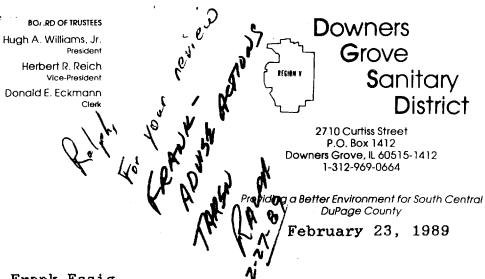
- 1) We wish to change the maximum hours of operation to 24 hours for our 'tubbing and cleaning operations. Plating operations would still be limited to a maximum of 11 hours per day. therefore, the 24 hour maximum would only apply to the protection. Enfluent requiring cyanide destruction would remain unchanged.
- 2) With this change to a 24 hour schedule, we anticipate an average water usage of 8,800 gallons per day and a maximum of 15,000 gallons per day.
- `3) We will utilize the 8' clarifier pit.
  - 4) We do anticipate an occasional Saturday, operating 5 to 8 hours using no more than 1,000 gallons.

Please let us know as soon as possible if this request will be approved. Your assistance is greatly appreciated.

Sincerely,

Frank Essig

Religioned for Chamber of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Religions of Relig



STAFF

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Sheila K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiedel

Frank Essig
Personnel/Safety Director
Tricon Industries, Inc.
2325 Wisconsin Avenue
Downers Grove, Illinois 60515

#### Dear Frank:

I have been reviewing your recent request to allow for an increase in the maximum flow to Tricon's pretreatment system and want to let you know where it stands at this point.

Since the 8,800 gallon per day average flow represents an increase of 300 gallons per day over the 8,500 average flow, which was stated at the time the sewer permit was obtained for construction in 1984, there is an additional tap-in and trunk sewer fee which must be assessed for the additional use. This amount is \$ 1,562.50 and an application must be completed and returned with the payment.

There are several points I want to bring to your attention, related to the flow increase and the ability of the pretreatment system to continue meeting the permit limits. These are as follows:

- 1) The monitoring work done in January at the inspection tank inside indicated compliance, however, the days I was there personally, the water in the inspection tank was turbid and there was an oil film was visible on the surface. Solids were also evident in the samples, especially in those taken during the morning hours. This could be due to scouring of the settled solids by a hydraulic jump as the plating department goes into operation.
- 2) In the monitoring done outside at the inspection manhole, which represents the total plant flow, we collected five samples over a three week period and found significant levels of copper, nickel and zinc in all five, one was at or slightly above the District's limits for copper and zinc (1/11/89, copper 3.1 where the limit is 3.38 mg/L and zinc 4.8, where the limit is 2.07). There was noticeable sediment in the samples, the same brown-grey solids found in the inspection tank.

3) The large settling basin's detention time is currently a minimum of 3.07 hours, assuming a flow of 10,000 gallons per 16 hour day. With a maximum flow of 16,000 gallons per 24 hour day, this minimum detention time would be decreased to 2.85 hours. From the information above, it is apparent that there are settling problems and since this is a continuous flow system, without any final filtration of the effluent or other means to prevent loss of the settled precipitate, we will need to examine the systems design to determine if the problem is structural (poor placement of inlet and outlet structures causing short-circuiting) or simply that the system is over capacity now.

As noted on previous inspections, there are no preventive maintenance procedures at Tricon to regularly evaluate the solids level in the settling tanks or to clean them. When scheduled maintenance is lacking, one becomes oblivious to the need for any. You should develop and implement a preventive maintenance program on the settling tanks which provides for inspection and cleaning at regular intervals, no longer than every six months.

I would appreciate the requested information at your earliest convenience. Please feel free to call me if you have any questions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Jam Hu Lacino

Laboratory Services Director

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street P.O. Box 1412 Downers Grove, IL 60515-1412 1-312-969-0664

Providing a Better Environment for South Central DuPage County

July 25, 1989

STAFE

Lawrence C. Cox General Manager

Ralph E. Smith, Jr. Operations Director

Shella K. Henschel Administrative Services Director

LEGAL COUNSEL

Michael C. Wiede!

Mr. Frank Essig Personnel/Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Dowers Grove, IL 60515

Re: 5000 Chase Ave., Downers Grove Prohibited Materials Report

Dear Mr. Essig:

Your facility is included in the "Solvent Management" portion of the Downers Grove Sanitary District's Pretreatment Program because of the potential for discharge of materials which are prohibited from the sanitary sewer system.

Twice each year you are required to report to the District, summarizing the actions taken during and after any spills involving the prohibited materials. A Prohibited Materials Discharge Report Form is enclosed for you to complete for the period of January 1 through June 30, 1989. For any discharges, please describe the incident fully, the volume and nature of the material, how it was cleaned up and disposed of and who was notified. Also describe what actions have been taken to modify procedures to prevent a recurrence. If no discharges occurred during the reporting period, you may certify that by checking the certification statement.

This would also be an appropriate time to review the solvent management plan which was submitted to the District, and compare it to current procedures used in the handling, storing and disposal of prohibited materials. The District should be informed of any changes in writing so that the plan on file with the District can be updated.

The enclosed report must be completed, signed and returned to the Sanitary District by August 15, 1989. Please feel free to call me with any questions you may have regarding these reporting requirements.

Sincerely, DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

Enclosure

BOARD OF TRUSTEES
Hugh A. Williams, Jr.
President
Herbert R. Reich
Vice-President
Donald E. Eckmann
Clerk



2710 Curtiss Street, Downers Grove, IL 60515-4052 1-312-969-0664

Providing a Better Environment for South Central DuPage County

January 6, 1989

i.awrence C. Cox Manager Ralph E. Smith, Jr. Operations Director Sheila K. Henschel Administrative Services Director Douglas A. Slansky Attorney

Frank Essig Personnel/Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

#### Dear Mr. Essig:

I have enclosed, for your information, the report from the December 20th inspection. Please note there were no cited deviations from the inspection, which is a credit to your facility. The two problems we discussed, a representative sampling point and late self-monitoring reports, are described in the summary section of the report and I have more information on these points below.

The late report fee will be assessed any time a report submission deadline is missed. I want to stress that the reason behind taking this action is to correct the problem, not just find something to take enforcement action on. The alternative would be a more formal legal action such as administrative order. Late reports would seem to be minor violation, but USEPA has defined a report that is 30 days late or more as "Significant Non-Compliance (SNC)." The District is required to report to EPA and publish the names of all users in SNC.

An inspection manhole does exist in the parking lot in front of the building. Although its location is not the best, the manhole is deep enough that a sampler can be suspended inside so there will be no additional obstacle in the parking area.

The inspection manhole will be used during District monitoring, along with the inspection tank sampling point. The samplers set up concurrently. Your monitoring point shall continue to be the inspection tank, except for the cyanide and the annual 24 hour composite that is submitted for analysis of all the parameters listed in Section II (A) of the Permit (see Section III (D)).

I have enclosed a Prohibited Materials Discharge Report form for the Tricon facility at 5000 Chase Street. This report is due in no later than January 31, 1989.

Please call if you have any questions.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Janet M. Lacina

Laboratory Services Director

JML/jml Enclosure.

#### DOWNERS GROVE SANITARY DISTRICT Industrial Site Visit Inspection Report

Industrial Facility:

Tricon Industries, Inc.

Facility Address:

23**25 Wisconsin** 

Downers Grove, IL 60515

Industrial Representatives: Frank Mroczka, Plater

Frank Essig, Personnel/Safety Director

Larry, Flant Superintendent

Telephone Number:

964-2330

District Representatives: Ralph Smith, Operations Director

Jan Lacina, Laboratory Services Director

Date and Time of Visit: December 20, 1988, 10:00 Hrs.

Purpose of Inspection: This was a routine plant inspection, it was not scheduled in advance. A grab sample was collected of the pretreated plating/finishing wastewater.

Plating Operations and Pretreatment System: The pretreatment system has had some maintenance work done in the past year, all was minor and in a few cases was caused by the condition of the chemicals being fed into it for pH adjustment (sodium hydroxide). Another problem involved a feed pump where the pump did not shut off. All the problems were resolved.

The plating department is working two shifts with an occasional 12 hour work day. No changes have been made to the process or operations in the plating/finishing department.

Chemical and Hazardous Waste Storage: No changes have been made to the practices for chemical use and disposal outlined in Tricon's SMP. The chemicals used in the plating area are limited to perchloroethylene (vapor degreasing operation). The material is stored in a small storage room in a hallway near the plating/finishing area, with 4, 55 gallon drums as the maximum capacity of the room. The perchloroethylene is removed from the drums with hand pumps. A drum of trichlorethene is in the ribbon solder area. No special spill control facilities exist for these areas except that they are isolated from any floor drain. The ribbon solder area has a dam kit for use in the event of a spill.

Cutting oils are used and stored in the stamping area and smaller quantities are found in the machining area. These oils evaporate or are removed in the degreasing operation so no waste oils result, except for the oil that is removed in degreasing operations, which is reoved with the waste solvent.

A closed system parts cleaner (Super Agitene) is used in the machining area. This solvent also will evaporate resulting in little or no waste.

Waste chemicals are stored in a loading dock area which is isolated from any floor drains. At the time of the inspection only three drums were in the area. Empty drums are stored in a outdoor area which is secured.

#### Self-Monitoring, Reporting and Record Keeping Requirements:

The operations log contains water meter readings, pH values for each process meter and the pH checks by operators, sample log and equipment maintenance log. Cyanide and metals samples are sent out for analysis to Enviro-Test. Samples are preserved at the time of collection in accordance with 40 CFR Part 126.

<u>Plant Walk Through</u>: There have been no changes in the operations or equipment in the plant during the past year and the number of employees, expressed as an annual average remains at 210.

<u>Summary</u>: Tricon is generally in compliance with the conditions of their discharge permit. Problems relating to the sampling point and self-monitoring report submission, which had come up during the past year were discussed with Mr. Essig. The following actions will be taken to correct thede problems:

1. The sampling location currently in use for the pretreated plating/finishing wastewater discharge (inspection tank), does not provide a representative sample because there are settled solids, which if disturbed, result in samples with very high metals levels. The question each time a sample with high solids comes off is does this accurately represent the wastewater actually being discharged or was the sample taken too low in the tank. With this sort of a situation, determining compliance is impossible.

I explained to Mr. Essig that the District would require the installation of an inspection manhole on Tricon's wastewater discharge to provide a sampling location that would be accepted as representative and access to the discharge without entering the building.

2. Self-monitoring reports have been submitted each quarter as required by the discharge permit. Several have been late and letters of violation have been issued as the appropriate enforcement remedy. USEFA requires that progressive enforcement action be taken to recurring violations, to that end, future late reports will be assessed a \$ 50.00 fee.

( ) Laura



#### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Doicners Grove, Illinois 60515-1076-412 1964-2330 FAX 312-964-5179

January 29, 1986

Mr. Lawrence C. Cox Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Notice of Violation dated January 27, 1988

Dear Mr. Cox:

Please be advised that I notified Ms. Lacina that we would conduct four tests per month during the months of January and February. I realized that this does not correct the inefficiency of our staff for the July and October testing; however, I hope you accept this action as a means of demonstrating our sincere efforts in correcting the problem.

Our Plant Superintendent has been notified of our permit violation and he has assured me that our testing will meet all permit requirements. Additional personnel have been trained for evening sampling for the days which vibratory finishing is running.

If you need additional information please contact me.

Sincerely,

Frank Essig Safety Director

FE: jrd

**BOARD OF TRUSTEES** Hugh A. Williams, Jr. President Herbert R. Reich Vice-President Donald E. Eckmann



2710 Curtiss Street, Downers Grove, IL 60515-4052 1-312-969-0664

Providing a Better Environment for South Central **DuPage** County

STAFF

Manager

Attorney

Lawrence C. Cox

Ralph E. Smith, Jr.

Sheila K. Henschel Administrative Services

Douglas A. Slansky

Operations Director

January 27, 1988

Frank Essig Personnel/Safety Director Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Notice of Violation -- Self-Monitoring Requirements

Dear Mr. Essig:

A report summarizing the inspection conducted at your facility on January 14, 1988 by Janet Lacina is enclosed for your review.

The inspection indicated that your procedures for self-monitoring did not meet the requirements as stated in the permit as to the number of days monitored each month or the duration of sampling on days when monitoring is done. The self-monitoring report submitted by Tricon for the period of October 1 through December 31, 1987, again did not meet the minimum number of monitoring days. As you discussed with Ms. Lacina during the inspection and later over the telephone, both of these deviations from the permit requirements must be corrected.

You must respond in writing to the District within ten (10) working days from the date of this letter as to what actions have been taken to correct these violations and assure there will be no future occurrences.

Sincerely,

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox, Manager

LCC:mew Enclosure

## DOWNERS GROVE SANITARY DISTRICT Industrial Site Visit Inspection Report

Industrial Facility: Tricon Industries Incorporated

Facility Address: 2325 Wisconsin Avenue

Downers Grove, IL 60515

Industrial Representative: Frank Essig, Personnel/Safety Director

Telephone Number: 964-2330

District Representative: Janet Lacina, Laboratory Services Director

Telephone Number: 969-0664

Date of Visit: January 14, 1988, 1340 HRS.

<u>Purpose of Inspection</u>: This was a routine visit to verify proper monitoring and record keeping procedures for self monitoring data; determine if there were any changes to chemical storage, use and disposal methods; and/or alterations to the process operations which would affect the wastestreams.

Finishing/Plating Department: From discussions with Frank Mroczka, there have been no major changes, repairs or maintenance done on the pretreatment system, beyond probe cleaning and a meter replacement. The plating department is currently running one shift daily, due to the type of pieces being plated. On sampling days, the composite is collected only during plating operations, until 1700 hours. Vibratory finishing continues operation after this time, but because none of the personnel working during evenings are trained to take samples, the wastewater discharged during this period is not sampled and added to the daily composite.

Chemical Storage Areas/Containment Devices: A loading dock area is used for storage of fresh solvents, sodium hypochlorite solution and waste chemicals, including the spent plating solutions. The chemicals are stored in 55 gallon drums and are labeled as to contents. There were approximately 20 drums at the time of my visit, some partially full, with several drums of waste solvent (perchloroethylene) and spent nickel plating solution, waiting to be picked up for disposal.

Smaller amounts of chemicals are stored at sites in the plant, all areas are isolated from floor drains and have materials on site to contain and clean up spills.

Tricon is implementing the spill containment and control plan which they devised and submitted to the District.

<u>Plant Process Areas</u>: I toured the facility with Mr. Essig. The major process operations have not changed and include machining, stamping, ribbon soldering, plating, vibratory finishing and molding. Process wastewater is generated only in the plating/vibratory finishing department, and wastewaters are treated prior to mixing with sanitary wastewater flows.

Monitoring Records: I reviewed the past years monitoring records with Mr. Essig. In July, 1987, only two working days were monitored instead of the minimum set at three by the discharge permit. Mr. Essig stated that he had discussed this with Frank and explained to him that he must sample three days each month. Any reduction in the number of sampling days constitutes a permit violation and notices of violation would be issued if it occures again.

The plating department personnel do the sampling and sample preservation work then send all but pH samples out for analysis. On sampling days, department water meter readings are recorded hourly, and are used to determine the volume of sample to composite. The pH meter is standardized with 7 and 10 buffers daily and the calibration rechecked with the 7 buffer during the day. Sampler collectors sign the daily data sheets and whoever analyzes samples for pH, records their initials on the data sheet as well.

The analytical reports, from the outside lab, include the date, time and location for the sample. Frank noted that occasionally, the lab does not report the sample time on the result sheet, though samples are clearly labeled.

<u>Sampling Methods</u>: Frank Mroczka is one of two people working in the plating area. He records water meter readings, prepares sample bottles for metals and total cyanides, collects samples and preserves them. We discussed the procedures being used. The metals sample bottles are acid rinsed prior to use and nitric acid is added to the bottles as a sample preservative. Cyanide samples are collected at the cyanide destruction pit discharge point, before mixing with the other plating wastestreams and samples are dechlorinated and the pH adjusted to GT 11 with NaOH. Composite samples are manual composites, collected hourly and composited according to flow as described above.

<u>Conclusions</u>: Tricon Industries is generally in compliance with the terms of its industrial wastewater discharge permit. The following shall be corrected to come into full compliance at this time:

- 1. Each month, a minimum of three days must be monitored for compliance with the Permit's self-monitoring requirements.
- 2. Wastewater samples for the required self monitoring shall be collected for the course of 24 hours, at any time there is wastewater being discharge from the Plating/Vibratory Finishing Department's pretreatment system.



#### ILLINOIS INDUSTRIAL PRETREATMENT QUESTIONNAIRE

Study Performed for Illinois Environmental Protection Agency by GCA Corporation/Technology Division, Bedford MA 01730

	Please indicate corrections to information in the space provided below:	
	· . ¬	
1	Name: TRICON INDUST-RIES, INC.	
	Street: 2325 Wisconsin Street  City: Downers Grove Zip: 60515	·
2	62-74	
	General Facility Description — The following information is necessary for data analysis purposes:	
	Nature of Business: Manufacturing 36.54	
	Number of Employees:	55-59 RJ
_	Standard Industrial Classification (SIC) Codes:	
3	Primary: 3699 Additional:	27-30

#### **SECTION 1**

This section deals with wastewaters discharged to any municipal sewers, or to any streams, lakes, or other surface waters.

Most of the questions contained below are either explained in the question, or are self-explanatory. We have tried to design the questionnaire such that most of the responses will not require extensive file searches. Unfortunately, some of the questions will require some work; however, we only ask for this information because it is very important to Illinois' developing a realistic, workable program that is fair to all.

Please answer all questions as completely as possible. If the information is just not obtainable, then do not answer the question. If you believe you have a reasonably good answer to a question, but do not know for sure, then your best estimate will be an acceptable response.

1.	If your facility is essentially "dry" and: 1) has no water or wastewater discharge to any stream, lake or
	other surface water, and 2) has no discharge, other than domestic wastes and storm water, to any sewer
	system, then please check the "yes" box below and proceed to PAGE 5 of this questionnaire. This pro-
	bably means that your operation will not be covered by the pretreatment regulations. Otherwise, please
	check "no" and continue answering questions 2-12.

This is a "dry" operation:	Yes 🔲	No X
----------------------------	-------	------



#### ILLINOIS INDUSTRIAL PRETREATMENT QUESTIONNAIRE

Study Performed for Illinois Environmental Protection Agency by GCA Corporation/Technology Division, Bedford MA 01730

2.	Facility Water Intake
	a) Estimated Total Volume (See Volume Code Key)
	b) Intake Sources (Check appropriate boxes)
	33 X 1—Municipal or private
	_
	2—Surface Water
	☐ 3—Ground Water
	3e ☐ 4—Other
3.	Facility Water Use and Volume (See Volume Code Key)
U.	37 Non-Contact Cooling Water
	Boiler Feed Water
	Boiler Feed Water
	· · · · · · · · · · · · · · · · · · ·
	Other Sources of Water Discharge
	N/A (Intake water not discharged, i.e., evaporative losses, part of final product)
	· · · · · · · · · · · · · · · · · · ·
Γ	
}	Volume Code Key (gallon/day)
	1 — 0 to 1,500 5 — 50,000 to 100,000
	2 — 1,500 to 10,000 6 — 100,000 to 500,000
Ì	3 — 10,000 to 25,000 7 — 500,000 to 1,000,000 4_— 25,000 to 50,000 8 — Greater than 1,000,000
	4,24 25,000 to 50,000 B - Greater than 1,000,000
<del></del>	
4	. If waste generation changes seasonally, indicate by month (i.e., January = 01, February = 02, etc.) the peaks:
	43-44Peak 1
	45-46Peak 2
	· N/A
	41-7-1414
5	. If discharge is to a sewer and is of a batch nature, please indicate the number of batches per day:
	48-49 RJ
6	
	50-1
_	
7	. Chicago Metropolitan Sanitary District area industries only: piease provide your federal tax number
	(FID):



5 2,4-Dichlorophenol

#### ILLINOIS INDUSTRIAL PRETREATMENT QUESTIONNAIRE

Study Performed for Illinois Environmental Protection Agency by GCA Corporation/Technology Division, Bedford MA 01730

4	8.	or a	are they suspected of containi	ng (i.e., if the	y are pr	s, streams, lakes, or other surface waters contain, esent in any of your raw material, or finished prowhich ones by checking appropriate box(es).
0			ets) any of the following mater Reliable Good Chase	cates Repor	+	
	7-1		Antimony		42-6	Dichloropropane and dichloropropene
	2		Arsenic		7 🔲	2,4-Dimethylphenol
	3		Asbestos		8 🗆	Dinitrotoiuene
	- 4	X	Beryllium ¥		s 🗆	Diphenylhydrazine
	~ 5	X.	Cadmium *		o 🗆	Endosulfan and metabolites
	6		Chromium		47-1	Endrin and metabolites
	_7	Ø	Copper ¥	•	2	Ethylbenzene
	<b>⊸</b> 8	区	Cyanide		з 🔲	Fluoroanthene
	9		Lead		4 🗆	Haloethers
	0		Mercury		5 🗀	Halomethanes
	~4 <b>~</b> 4	R	Nickel K		6 🗆	Heptachlor and metabolites
			Selenium		7 🔲	Hexachlorobutadiene
			Silver <b>X</b>		• 🗆	Hexachlorocyclohexane
			Thallium		• 🗆	Hexachiorocyclopentadiene
			Zinc		。 🗆	Isophorone
			2	•		•
	. 8		Acenaphthene		57-1	Naphthalene
	7		Acrolein		2 🔲	Nitrobenzene
	, A	$\overline{\Box}$	Acrylontrile	1	з 🗆	Nitrophenols
	•		Aldrin/Dieldrin		4 🗀	Nitrosamines
	_		Benzene		5 🔲	Pentachiorophenol
			<b>D</b> 141 .		·	Phenol
	27-1	_	Benzidine		7 🗆	Phthalate esters
	2		Carbon tetrachloride			Polychlorinated biphenyls (PCBs)
	3		Chlordane			Polynuclear aromatic hydrocarbons
	4		Chlorinated benzenes		• 🗆	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
	5		Chlorinated ethanes		ب ه	2,3,7,6-1-thachiologibalizo-p-dioxiii (1000)
	6		Chloroalkyl ethers		67-1	Tetrachloroethylene
	7		Chlorinated naphthalene		2 🔲	Toluene
	8		Chlorinated phenois	•	3 🔲	Toxaphene
	-		Chloroform		-4 🗵	
	0		2-Chlorophenol		5 🗆	Vinyl chloride
						Oll and groups
	37-1		DDT and metabolites		6 📙	Oil and grease
			Dichlorobenzenes			*·•
			Dichlorobenzidine			
	4		Dichloroethylenes			



#### ILLINOIS INDUSTRIAL PRETREATMENT QUESTIONNAIRE

Study Performed for Illinois Environmental Protection Agency by GCA Corporation/Technology Division, Bedford MA 01730

	9.		analyzed for any of the materials checked in question 8? Note — response uestion may aid IEPA in defining the need for adequate laboratory facilities
5			A $\square$
8		7-1 7-2	7.3
		If YES, give:	
		Name of Lab 8-37	
		Address	
		City	
		63-75	
		State	
	10.	Treatment and/or pretreat propriate box(es).	ment provided. (Exclude Sanitary Waste and Storm Water.) Check ap-
		a) Treatment provided to a	iny wastewater streams:
6		7 ☐ 1—pH adjus	stment 12 💢 6Filtration
6			g and/or settling 7—Activated sludge
			tion and/or precipitation
		<u> </u>	, , , , , , , , , , , , , , , , , , , ,
			d air flotation 15
		• •	nds, or lagoons
		b) Treatment provided to propriate box(es).	any sludges generated as part of any wastewater treatment. Check ap-
			16 — 1—Biological
			2—Physical/Chemical
			18
	11.	water)-generated at your p	iste waters — For all waste waters (excluding sanitary wastes and storm lant, please indicate their manner of ultimate disposition, and the volume choices as is appropriate.
		Discharge or final disposit	tion of wastes (use Volume Code Key):
			19 Streams, lakes, or other surface water
			Sewers tributary to municipal treatment works
			Storm sewers
			Weil injection
			·
			23 Underground percolation
			Non-overflow lagoon
			Land application
			Recycled or reclaimed
			27 N/A -
	Γ	Volume Code Key (gallo	on/day)
		1 — 0 to 1,500	5 — 50,000 to 100,000
	1	2 1,500 to 10,00	00 <b>6</b> — 100,000 to 500,000
	1	3 — 10,000 to 25,0	
	1	4 — 25,000 to 50,0	000 8 — Greater than 1,000,000

12. For waste waters discharged to municipal treatment works, please indicate the number of discharge points (exclude santiary and storm discharges):



#### ILLINOIS INDUSTRIAL WASTE QUESTIONNAIRE

Study Performed for Illinois Environmental Protection Agency by GCA Corporation/Technology Division, Bedford MA 01730

#### WASTE NEEDS ASSESSMENT

This section of the survey pertains to the classification, storage, and disposition of wastes generated by an industrial process or of sludges generated by the treatment or pretreatment of any effluent. It is not concerned with those wastes which are discharged to any surface water (e.g. stream, river, lake) or to any sewer or storm water system. It is only concerned with those wastes including pretreatment sludges which are ultimately disposed onor off-site in landfills, surface impoundments, incinerators, deep wells, barrels, or land farms and with wastes which are sent to reclamation/recycling centers or waste exchanges.

#### **Waste Types**

The industrial wastes charts on the next two pages list the general waste types of interest in this survey. They are organized by physical state: liquids, sludges, and solids, and divided within each category into organic and inorganic wastes. Please note that specific waste names are not requested. Rather, you are asked to report your wastes under general waste categories. If your waste does not fall into one of the listed categories, please put it in "other" and indicate what the waste is in the comments column on the right-hand side of the chart. The "comments" column may be used to specify waste types, when requested. Radioactive wastes have been excluded from this survey.

#### рH

For water-based liquids and sludges, please indicate whether they are (1) acidic (pH<5), (2) alkaline (pH>9) or (3) neutral (pH 5-9) by filling in the appropriate code number.

#### Percent Solids

For sludges resulting from wastewater treatment or pretreatment, indicate the percent solids (by weight), if known.

#### Storage Method

Check the appropriate box. (~)

#### Storage Time

Indicate the approximate storage time, in months. If storage is less than one month, fill in a "0".

#### **Waste Quantities**

In the space provided, report the waste quantity and unit code (gallon/year = 1, cubic yards per year = 2, and tons per year = 3). If the waste quantities are not readily known, please try to estimate the amounts. For example, if a waste disposal firm picks up five 55-gallon drums of oil per month, then the annual amount is 12x5 = 60 drums per year = 60x55 gallons = 3300 gallons per year.

#### **Waste Disposal Method**

Please check (>) the appropriate waste disposal method used for each waste generated at your plant. If you check "other", please specify the method in the "comments" column to the right. Only check one disposal method per line (see important note below).

#### Disposal Location

Check (>) the appropriate box.

#### **Important Note**

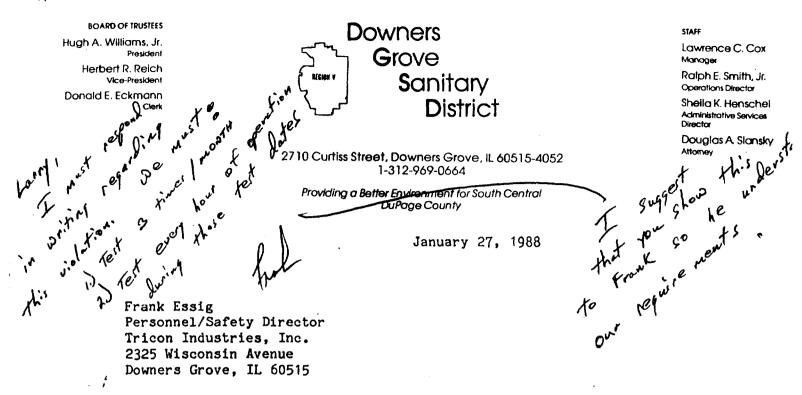
If more than one disposal method is used for a particular waste category, it is important to divide that waste by disposal method, putting one disposal method opposite the preprinted waste category and relisting that category name at the bottom of the chart and reporting the other disposal method(s). For example, if your facility generates 1000 gallons per year of waste oil and half is burned at the plant and half is picked up for reclamation, then 500 gallons would be reported, with "incineration as fuel" and "on-site" entered opposite "oil." At the bottom of the chart, you would write in "oil" and fill in 500 gallons per year and check "recycle/reclaim" and "off-site - Illinois." Additional space is provided on the back of the questionnaire for any additional waste types or disposal methods.



## ILLINOIS INDUSTRIAL WASTE QUESTIONNAIRE

Study Performed for Illinois Environmental Protection Agency by GCA Corporation/Technology Division, Bedford MA 01730

	T	- <del></del>	<del></del>		VAST			TORAGE	7	STORA	GE	WASTE	0114	NTIT	, T												T	D.00000		
<u>,</u>	WASTE TY	PE			IARA RISTI			METHOD		TIM	E		UNN		21			DI	SPOSA	AL ME	THOD, 27-23	Check	Only O	ne				DISPOSA LOCATIO		25
	Trichlor De	than	San Carpeter Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control of Control o	au (a) los los los los los los los los los los	Tit Bonds	Some is a some	I on A Corum.	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	de de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	·wwow.	Gumin.	. /	Chines /	mion,	S none ello	Solution St.	Company of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro	Change Colonor	Constanting Con	Mericinal Market	Selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the selection of the select	mennical wate	To the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	Controll of		(Mil. o)	On sie Ilino.	alest to mo alst the	сомма	- 1170
	LIQUIDS:	(11)					( ; (///					<i>\delta()</i>	\frac{\cdots}{2}		(°)		05  ////	/% ///	***//		////	1//		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		[; []]		(111)	7////	:N1S
	Organic:			222	222	222	722	77777			2777								~~~	222	7222						777			
01	Oil												L	_							<u> </u>									
02	Solvents: low flash point (< 140°F)								$oldsymbol{\perp}$		-							L												
03	Solvents: chlorinated				V			1			2								V							Ľ				
04	Solvents: nonchlorinated																													
05	Aqueous organics (Specify in comments)																													
	Inorganic:																ą													
06	Metal-containing				<b>V</b>			13																		V				
07	Cyanide and metal	1										$\perp$	L	<u> </u>				L												
08	Other inorganic	1						*****		<del>,,,,,</del> ,	7777			1		777	*7777			,,,,	<del>,,,,,</del>	ļ.,,,	*****	,,,	777		,,,,		· · · · · · · · · ·	~~~~
1/4	SLUDGES:								24			24//	1/2	<i>X</i> ///														X/////		
	Organic:								$\bot$				1_													<u> </u>		ļ		
09	<u> </u>		34								<u>_</u>		<b> </b>	<u> </u>		_			-									ļ		
10	Contaminated clay filters, mud, sand											$\perp$																		
11	Dye and paint sludges and residues																													
12	Fats and waxes																													
13	Resin, latex, monomer, plasticizer, adhesives								T						<b>V</b>															
14	Chlorinated organic sludges		1																											
15	Nonchlorinated organic sludges																						:							



RE: Notice of Violation -- Self-Monitoring Requirements

Dear Mr. Essig:

A report summarizing the inspection conducted at your facility on January 14, 1988 by Janet Lacina is enclosed for your review.

The inspection indicated that your procedures for self-monitoring did not meet the requirements as stated in the permit as to the number of days monitored each month or the duration of sampling on days when monitoring is done. The self-monitoring report submitted by Tricon for the period of October 1 through December 31, 1987, again did not meet the minimum number of monitoring days. As you discussed with Ms. Lacina during the inspection and later over the telephone, both of these deviations from the permit requirements must be corrected.

You must respond in writing to the District within ten (10) working days from the date of this letter as to what actions have been taken to correct these violations and assure there will be no future occurrences.

Sincerely.

DOWNERS GROVE SANITARY DISTRICT

Lawrence C. Cox, Manager

LCC:mew Enclosure

## DOWNERS GROVE SANITARY DISTRICT Industrial Site Visit Inspection Report

Industrial Facility: <u>Tricon Industries Incorporated</u>

Facility Address: <u>2325 Wisconsin Avenue</u>
Downers Grove, IL 60515

Industrial Representative: Frank Essig, Personnel/Safety Director 764-2330

District Representative: <u>Janet Lacina, Laboratory Services Director</u>

Telephone Number: 969-0664

Date of Visit: January 14, 1988, 1340 HRS.

<u>Purpose of Inspection</u>: This was a routine visit to verify proper monitoring and record keeping procedures for self monitoring data; determine if there were any changes to chemical storage, use and disposal methods; and/or alterations to the process operations which would affect the wastestreams.

Finishing/Plating Department: From discussions with Frank Mroczka, there have been no major changes, repairs or maintenance done on the pretreatment system, beyond probe cleaning and a meter replacement. The plating department is currently running one shift daily, due to the type of pieces being plated. On sampling days, the composite is collected only during plating operations, until 1700 hours. Vibratory finishing continues operation after this time, but because none of the personnel working during evenings are trained to take samples, the wastewater discharged during this period is not sampled and added to the daily composite.

Chemical Storage Areas/Containment Devices: A loading dock area is used for storage of fresh solvents, sodium hypochlorite solution and waste chemicals, including the spent plating solutions. The chemicals are stored in 55 gallon drums and are labeled as to contents. There were approximately 20 drums at the time of my visit, some partially full, with several drums of waste solvent (perchloroethylene) and spent nickel plating solution, waiting to be picked up for disposal.

Smaller amounts of chemicals are stored at sites in the plant, all areas are isolated from floor drains and have materials on site to contain and clean up spills.

Tricon is implementing the spill containment and control plan which they devised and submitted to the District.

<u>Plant Process Areas</u>: I toured the facility with Mr. Essig. The major process operations have not changed and include machining, stamping, ribbon soldering, plating, vibratory finishing and molding. Process wastewater is generated only in the plating/vibratory finishing department, and wastewaters are treated prior to mixing with sanitary wastewater flows.

Monitoring Records: I reviewed the past years monitoring records with Mr. In July, 1987, only two working days were monitored instead of the minimum set at three by the discharge permit. Mr. Essig stated that he had discussed this with Frank and explained to him that he must sample three days each month. Any reduction in the number of sampling days constitutes a permit violation and notices of violation would be issued if it occures again.

The plating department personnel do the sampling and sample preservation work then send all but pH samples out for analysis. sampling days, department water meter readings are recorded hourly, and are used to determine the volume of sample to composite. The pH meter is standardized with 7 and 10 buffers daily and the calibration rechecked with the 7 buffer during the day. Sampler collectors sign the daily data sheets and whoever analyzes samples for pH, records their initials on the data sheet as well.

The analytical reports, from the outside lab, include the date, time and location for the sample. Frank noted that occasionally, the lab does not report the sample time on the result sheet, though samples are clearly labeled.

Sampling Methods: Frank Mroczka is one of two people working in the plating area. He records water meter readings, prepares sample bottles for metals and total cyanides, collects samples and preserves them. discussed the procedures being used. The metals sample bottles are acid rinsed prior to use and nitric acid is added to the bottles as a sample preservative. Cyanide samples are collected at the cyanide destruction pit discharge point, before mixing with the other plating wastestreams and samples are dechlorinated and the pH adjusted to GT 11 with NaOH. Composite samples are manual composites, collected hourly and composited according to flow as described above.

Conclusions: Tricon Industries is generally in compliance with the terms of its industrial wastewater discharge permit. The following shall be corrected to come into full compliance at this time:

- Each month, a minimum of three days must be monitored for compliance with the Permit's self-monitoring requirements.
- Wastewater samples for the required self monitoring shall be collected for the course of 24 hours, at any time there is wastewater being discharge from the Plating/Vibratory Finishing Department's pretreatment system.

#### TRICON INDUSTRIES INCORPORATED

ELECTROMECHANICAL DIVISION

2325 Wisconsin Avenue, Downers Grove, Illinois 60515-4076 312/964-2330 Telex 27-0064

FAX 312-964-5179

February 6, 1987

Ms. Janet Lascina Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

RE: Industrial Inspection Report

Dear Ms. Lacina:

In response to your report, please be advised of the following actions for your numbered recommendations:

- 1. The pH meter has always been calibrated at the beginning of each day. We now will store the probe in a pH 7 buffer during the course of the day. The person making the notations will also initial (see attached form).
- 2. Samples will be labeled per your request.
- 3. You have already received our compliance on this item.
- 4. Our Maintenance Department is working on back-flow preventers. I will notify you upon completion.
- 5. Absorbent foam/dam materials are now located in our Seam Welding Department. As a comment, there are no drains in the area!
- 6. You have received the information on this item.

As clarification, in the first paragraph of page 2, you indicate freon in our Seam Welding Department. There is no freon in that area. There is some Isopropyl Alcohol in that department.

I hope this answers any questions you have.

Sincerely,

Frank Essig Safety Director

## DOWNERS GROVE SANITARY DISTRICT Industrial Inspection Report

Facility: Address:

Tricon Industries, Inc. 2325 Wisconsin Avenue Downers Grove, IL 60515

Contact:

Frank Essig, Safety Director

Phone:

964-2330

Date and Time of Inspection: January 23, 1987 at 1020 hours.

District Personnel: Ralph Smith, Operations Director

Janet Lacina, Laboratory Services Director

IEPA Personnel: Mr. Jay Patel

Mr. Patel accompanied District Personnel as part of the Pretreatment Compliance Inspection he was conducting of the District's Pretreatment Program.

This report was completed by Janet Lacina

#### Purpose of Inspection:

The purpose of the visit was a routine inspection of pretreatment facilities, chemical storage facilities, process operations and overview of the industry's monitoring records. Mr. Essig was notified of the possibility of an inspection visit on this date.

#### Manufacturing Processes:

Mr. Essig reported that there had been no process changes or any modifications to discharge constituents since filing the permit application. All the wet process operations are in the plating department and all process wastewaters are pretreated prior to discharge to the sanitary system. The only other process related discharge is from non-contact cooling water used in some of the machinery. Discharges occur weekly when this equipment is shut down, at this time, 40 gallons of water is discharged. The cooling water is treated to inhibit corrosion and lime build-ups, Mr. Essig will provide the name and type of treatment used.

#### Chemical Storage:

Solvents in use at the plant include freon, 1,1,1-trichloroethane, perchloroethylene, and commercial parts cleaners (e.g., Super Agitene). Fresh and waste solvents are stored on a loading dock in an area which is isolated from any floor drains to prevent the possible discharge of these materials to the sanitary sewer in the event a drum ruptured. The largest container size is 55 gallons with a total of approximately 15 drums in storage at the time of the inspection. The waste materials are manifested out at 90 day intervals to prevent too large a number of drums from accumulating. In a hallway nearby, chemical storage cabinets are used for the storage of cyanide, acids and a flammables cabinet contains paints. The acid and cyanide cabinets are kept locked. These areas are also isolated from any entry to the sanitary sewer.

A few process locations also have chemical storage. Most areas use small quantities contained in small plastic bottles, spray bottles, etc. The stamping area has various cutting oils which are stored on a wall rack. There are approximately six 55 gallon drums stored on the rack. There are no floor drains in this area. The ribbon solder area has 1,1,1-trichloroethane and some freon, both contained in 55 gallon drums (one of each). There are no physical spill retention provisions, however, personnel are trained in the use of spill cleanup equipment.

Hazardous wastes generated by this facility would include any spent plating solutions and metal sludges. Nickel solutions are replaced once annually, while copper and silver solutions can be kept for longer periods. Sludges are removed from the settling tank as needed. Hazardous materials are kept no longer then necessary, at the most 30 days.

#### Monitoring Records:

The records of plating flows, pH and ORP readings, and laboratory results were reviewed, as were sample collection points and methods used for sample collection and compositing.

#### Summary:

This facility in compliance with the permit requirements for sampling and analysis. The following points were made during the visit which should be addressed by Tricon:

- 1. The pH meter used for reported pH results should be calibrated each day initially using a two buffer calibration and then the electrodes should be stored in the pH 7 buffer to allow a calibration check before each subsequent measurement made during the day. The person analyzing the sample should initial the measurement he made on the data sheet. If the industry is doing the measurement, it is responsible for assuring the quality of the measurement. As we discussed, a stand for the pH electrode and temp probe would solve the logistics problem.
- 2. The sample collectors should sign their names to the data sheets and samples should be labeled with the sample point location (e.g., cyanide grab from CN destruction pit, date and time). This sample identification will then be included on the results sent from the lab and will allow anyone reviewing the data a clear understanding of what the sample represents. If the sample data from the lab only states it is from Tricon, the sampling location will be arguable. The inclusion of the sample collector's name is needed for proper legal custody.
- 3. The Super Argitene parts cleaner should be added to the Spill Containment Plan (solvent management plan) and a plan which has been signed by an authorized representative should be submitted.

- 4. Check the water lines going to the Plating Department for the presence of any back flow preventers (e.g., vacuum breakers, etc.,) and install if none are currently in place.
- 5. Containment should be provided for the ribbon solder department's 1,1,1-trichloroethane.
- 6. As a general reminder, please submit information on the treatment used in non-contact cooling water.